Jacobs

Reid-Hillview and San Martin Airports, Santa Clara County

Aerially Deposited Lead Investigation Report

Final

June 2022

Santa Clara County Roads and Airports Department



Jacobs

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Acronyms and Abbreviations

EI6	San Martin Airport
ADL	aerially deposited lead
bgs	below ground surface
CoC	chain of custody
СА	California
ESL	Environmental Screening Levels
LCS	laboratory control sample
LCSD	laboratory control sample duplicates
MS	matrix spike
MSD	matrix spike duplicates
mg/kg	milligram(s) per kilogram
RHV	Reid-Hillview Airport
RSL	Regional Screening Levels
SCCRA	Santa Clara County Roads and Airports Department
SFBRWQCB	San Francisco Bay Regional Water Quality Control Board
SM	San Martin Airport
STLC	soluble threshold limit concentration
TCLP	toxicity characteristic leaching procedure
TTLC	Total Threshold Limit Concentration
USA	Underground Service Alert
USEPA	U.S. Environmental Protection Agency
WET	waste extraction test

1. Executive Summary

Santa Clara County retained Jacobs Engineering Group (Jacobs) to conduct soil investigations at the Reid-Hillview Airport (RHV) and San Martin Airport (SM) in Santa Clara County, California. Aerially-deposited lead (ADL) may result from the exhaust fumes of piston-engine airplanes using leaded aviation gas when the lead particles settle out of the air and adhere to soil particles. Since lead deposited on concrete, asphalt, or roof surfaces would tend to be washed away by rain, primary areas of concern for the purposes of this evaluation are unpaved areas. The Santa Clara County Roads and Airports Department (SCCRA) commissioned these investigations to identify and quantify the presence of lead onsite and compare existing lead levels detected in soil samples to current published environmental screening values as an initial screening step to identify whether further investigation may be necessary.

Surface soil investigations were conducted between December 28, 2021 and January 18, 2022 to identify presence of lead at each airport. Samples were collected at a total of 32 locations at RHV and 35 locations at SM. Sample locations were determined by laying out an approximately 400-foot x 400-foot grid in unpaved areas at each airport to provide a broad and unbiased assessment of lead in surface soils. Soil samples were collected from 0 to 6 inches and 12 to 18 inches below ground surface (bgs) at each location. Soil samples were submitted to Torrent Labs in Milpitas, California, under chain-of-custody (CoC) documentation. All samples were analyzed for total lead using U.S. Environmental Protection Agency (USEPA) method 6010B.

Generally, at sites where contaminant concentrations are below soil screening levels, no further action or study is warranted under the Comprehensive Environmental Response, Compensation, and Liability Act.

Results of this study determined that total lead was not detected above San Francisco Bay Regional Water Quality Board (SFBRWQCB) Environmental Screening Levels (ESLs), USEPA Regional Screening Levels (RSLs), or California Total Threshold Level Concentration (TTLC) trigger values in any of the soil samples collected during investigations at either airport. Assessment of the analytical data concluded that a sufficient number of representative samples were collected, and the resulting analytical data can be used to support the decision-making process.

2. Introduction

Jacobs has prepared this Soil Investigation Report (report) for the SCCRA to summarize the field activities and findings of the sitewide screening-level comparison of lead in surface soil samples collected at the Reid-Hillview and San Martin airports in Santa Clara County, California (Figure 1; tables and figures are presented at the end of this report). This work was performed on behalf of the SCCRA and in accordance with the approved *Aerially Deposited Lead Investigation Work Plan* (Jacobs, 2021a).

ADL may result from piston-engine airplanes using leaded aviation gas. ADL settles out of the air and typically adheres to soil particles. Lead deposited on concrete, asphalt, or roof surfaces would tend to be washed away by rain and thereby transported offsite, and is not likely to persist within the area of original settlement; therefore primary areas of concern for the purposes of this evaluation are unpaved areas. The objectives of investigations included in this report are to:

- 1. Analyze soil samples collected on the RHV and SM properties for the presence of lead.
- 2. Compare lead levels detected in soil samples to current published environmental screening values as an initial screening step to identify whether further investigation may be necessary.

3. Description of Work

Between December 28, 2021 and January 18, 2022, Jacobs conducted surface soil investigation and related activities to identify lead occurrence at RHV and SM (Figure 1). A total of 32 locations were sampled at RHV (Figure 2) and 35 locations were sampled at SM (Figure 3).

4. Pre-Fieldwork Activities

The field activities described in this report were completed in accordance with the project-specific Work Plan and Health, Safety, and Environment Plan (Jacobs, 2021a, 2021b) that were prepared and approved by SCCRA prior to field mobilization. Our field task leader and site safety liaison were on-site to identify policies and enforce procedures and systems to be followed by project personnel. In addition, staff was always accompanied by an SCCRA escort while conducting fieldwork within airport properties.

Jacobs conducted the surface soil investigation and related activities from December 28, 2021 to January 18, 2022. On December 28th and 29th, Jacobs conducted initial site visits for RHV and SM with SCCRA escorts to mark the proposed soil sample locations, mark each sampling site for the Underground Service Alert (USA) clearance activities, and oversee third-party utility location surveys. Subtronic Corporation of Martinez, CA performed the utility location survey of each sample location at both airports using electromagnetic methods. Subtronic surveyed a 15- by 15-foot area around each proposed sample location and marked any utilities identified. Proposed soil sample locations were relocated as needed to avoid underground utilities identified by Subtronic and other surface features (i.e., asphalt, runways). USA was notified of the proposed work on January 3, 2022 (ticket numbers X200302893 for RHV and X200302977 for SM).

5. Sampling Methods

Surface soil sampling was conducted at RHV on January 10, January 11, and January 14, 2022. SM surface soil sampling was conducted on January 12, January 13, January 17, and January 18, 2022. A total of 32 locations were sampled at RHV and 35 locations were sampled at SM. Sample locations at RHV and SM are shown in Figures 2 and 3, respectively. Samples were collected from 0 to 6 inches and 12 to 18 inches bgs at each location.

Sample location coordinates, photographs, and field notes were documented during sample collection. Refer to Appendixes A and B for field notes and representative photographs, respectively. Samples were collected by using a hand auger, rotary auger, and other hand digging tools to excavate each boring to the sample interval depth and transferring soils from the auger bucket to laboratory-supplied 8-ounce glass jars. During sample collection, moisture content in soils were observed and noted; soils at both airports were dry with exception of a few slightly moist samples collected early in the mornings from the 0 to 6-inch bgs interval. Jars were labelled, placed in a cooler with ice and delivered daily to Torrent Labs in Milpitas, CA under CoC documentation. Soil samples were analyzed for total lead using USEPA method 6010B.

To avoid cross-contamination, non-dedicated sampling equipment (i.e., auger bucket or roto auger drill) was decontaminated between sample depths and sample locations by brushing off soil, washing with Liquinox[®] detergent and water solution, and double-rinsing with distilled water.

Investigation-derived waste was not generated as part of the sampling program. Excess soil was replaced in the borehole and decontamination water was allowed to infiltrate into the unpaved areas.

6. Deviations from Approved Work Plan

All work was conducted in accordance with the approved work plan, except for the minor deviations listed below:

- Sample locations RHV-01 and RHV-02 were relocated due to underground gas or electrical lines.
- Sample locations RHV-06, RHV-10, RHV-14, RHV-20, RHV-25, RHV-30, and RHV-32 were relocated due to unfavorable surface conditions or access issues associated with airport operations (runway, ground lights, solar panels, or fencing).
- Sample locations E16-05, E16-06, E16-14, E16-20, and E16-25 were relocated due to unfavorable surface conditions.
- Sample location E16-10 was relocated due to underground utilities and E16-30 and E16-35 were relocated due to access issues associated with airport operations.
- Due to unfavorable surface conditions and incomplete utility clearance, sample location E16-19 was not sampled. Field staff communicated with project management to confirm that eliminating this point did not negatively impact the sampling grid's representativeness.

Figures 2 and 3 show all sample locations at Reid-Hillview and San Martin airports, respectively, and identifies which sites were relocated or not sampled.

7. Summary of Results

Soil samples were submitted to Torrent Labs in Milpitas, California, under CoC documentation. All samples were analyzed for total lead by USEPA Method 6010B. The data were assessed to confirm that they are suitable for use. The assessment of data consisted of review of:

- The CoC documentation
- Holding-time compliance
- The required laboratory quality control (QC) samples
- Method blanks
- Laboratory control sample/laboratory control sample duplicates (LCS/LCSDs)
- Matrix spike/matrix spike duplicates (MS/MSDs)

Data review was performed on 64 normal environmental samples from 32 locations (Figure 2) and four MS/MSD sets at RHV, as well as 70 normal environmental samples from 35 locations (Figure 3) and four MS/MSD sets at SM. The conclusions of the data validation are as follows:

- No data were rejected, and completeness was 100 percent.
- No data were qualified due to low-level blank contamination.
- The precision and accuracy of the data, as measured by laboratory QC indicators, demonstrate that the project data quality objectives were met.

Torrent laboratory reports and CoCs are presented in Appendix C. An overall evaluation of the data indicates that the sample handling, shipment, and analytical procedures have been adequately completed, and that the analytical results are considered usable. Details on the data assessment are presented in the Data Quality Assessment reports for each airport included as Appendix D.

Tables 1 and 2 present the surface soil analytical data for lead at the Reid-Hillview and San Martin airports, respectively, compared to SFBRWQCB ESLs for commercial/industrial and residential use and the USEPA RSLs. The ESLs provide conservative screening levels for chemicals commonly found at sites with contaminated soil and groundwater. They are intended to help expedite the identification and evaluation of potential environmental concerns at contaminated sites

(https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/esl.html). SFBRWQCB guidance is to compare ESLs with analytical results reported on a dry-weight basis. Since lead results in Tables 1 and 2 were reported on a wet-weight basis, for comparison to the ESLs, they have been adjusted for an assumed maximum percent moisture value of 10 percent based on the field observations that characterized the soils as mostly dry to slightly moist (see Appendix A for field notes).

The RSLs are developed by USEPA for the Superfund Program to help standardize and accelerate the evaluation and cleanup of contaminated soils at sites on the National Priorities List with future residential land use. RSLs are not clean-up standards, and do not trigger the need for response actions or define "unacceptable" levels of contaminants in soil. Generally, at sites where contaminant concentrations fall below soil screening levels, no further action or study is warranted under the Comprehensive Environmental Response, Compensation, and Liability Act. RSLs are also compared to analytical results reported on a dry-weight basis.

Tables 3 and 4 present the surface soil analytical data for lead at the Reid-Hillview and San Martin airports, respectively, compared to California TTLCs for waste classification purposes, in case future development or use of the sites requires excavation of waste soil that may need to be disposed of. In California, a waste may be identified as hazardous if toxic constituents are harmful or fatal when ingested or if the toxic constituents may leach from the soil and pollute the groundwater when the wastes are disposed of. USEPA has defined a test to determine if toxins are likely to leach from wastes called the toxicity characteristic leaching procedure (TCLP). California has developed their own test called the waste extraction test (WET) that yields the soluble threshold limit concentrations (STLCs) for the same purpose. The TTLC is a screening value that indicates whether a waste is likely to require further testing using one of these procedures (<u>https://dtsc.ca.gov/defining-hazardous-waste/</u>). For lead, if the total concentration of lead in soil is greater than 50 milligrams per kilogram (mg/kg), it triggers the need for a WET to test for leaching potential; if the total concentration is above 100 mg/kg, it triggers the need to conduct a TCLP. For comparison to the TTLC for waste characterization, lead results must be reported on a wet weight basis.

Reid-Hillview Airport

There were no lead results from the RHV soil samples that exceeded the SFBRWQCB ESLs for commercial/industrial or residential use, the USEPA RSLs for residential or industrial soil, or the TTLC for waste characterization as presented in Tables 1 and 3.

San Martin Airport

There were no lead results from the SM airport soil samples that exceeded the SFBRWQCB ESLs for commercial/industrial or residential use, the USEPA RSLs for residential or industrial use, or the TTLC for waste characterization as presented in Tables 2 and 4.

8. Conclusions and Limitations

Total lead was not detected above ESLs, RSLs, or TTLC trigger values in any of the soil samples collected during investigations at either airport. Assessment of the analytical data concluded that a sufficient

number of representative samples were collected, and the resulting analytical data can be used to support the decision-making process.

In preparing this report, Jacobs relied, in whole or in part, on data provided by Torrent Labs. Jacobs assumes this data to be accurate, complete, and reliable. Therefore, while Jacobs has used its best efforts in preparing this report, Jacobs does not warrant or guarantee the conclusions set forth in this report that are dependent or based on data supplied by third parties.

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9. References

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Tables

Table 1. Reid-Hillview Surface Soil Analytical Data Compared to Environmental Screening Levels Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

				Wet Weight	Wet Weight	Wet Weight	Wet Weight		Assumed Dry	Assumed Dry	Assumed Dry	Assumed Dry
			Lead	Exceeds CA	Exceeds CA	Exceeds USEPA	Exceeds USEPA	Lead	Weight Exceeds CA		Weight Exceeds	Weight Exceeds
	Depth	Sample	(mg/kg wet	Residentail Soil	Industrial Soil ESL	Residential Soil	Industrial Soil RSL	(mg/kg assumed	Residentail Soil	Industrial Soil ESL	USEPA Residential	USEPA Industrial
Leastion Comple ID						-		90% dry weight)			Soil RSL of 400	Soil RSL of 800
Location Sample ID RHV01-6-220114	(inches) 0-6	Date 01/14/22	weight) 8.30	ESL of 82 mg/kg ¹	of 380 mg/kg ²	RSL of 400 mg/kg ³	of 800 mg/kg ⁴	90% dry weight) 9.22	ESL of 82 mg/kg ¹	of 380 mg/kg ²	SOIL RSL OF 400	SOILKSL OL 800
RHV-01 RHV01-18-220114	12-18	01/14/22	8.20	N	N	N	N	9.11	N	N	N	N N
RHV02-6-220114	0-6	01/14/22	16.5	N	N	N	N	18.3	N	N	N	N
RHV-02 RHV02-18-220114	12-18	01/14/22	8.65	N	N	N	Ν	9.61	N	N	Ν	N
RHV-03 RHV03-6-220114	0-6	01/14/22	22.2	N	N	N	N	24.7	N	N	Ν	N
111103-10-220114	12-18	01/14/22	42.0	N	N	N	N	46.7	N	N	N	N
RHV-04 RHV04-6-220114 RHV04-18-220114	0-6 12-18	01/14/22	7.00 14.9	N N	N	N N	N N	7.78 16.6	N	N	N	N
RHV05-6-220114	0-6	01/14/22	7.65	N	N	N	N	8.50	N	N	N	N
RHV-05 RHV05-18-220114	12-18	01/14/22	6.30	N	N	N	N	7.00	N	N	N	N
RHV06-6-220114	0-6	01/14/22	5.30	N	N	N	Ν	5.89	N	N	Ν	N
RHV-06 RHV06-18-220114	12-18	01/14/22	23.9	N	N	N	N	26.6	N	N	Ν	N
RHV-07 RHV07-6-220114	0-6	01/14/22	11.4	N	N	N	N	12.7	N	N	N	N
RHV07-18-220114 RHV08-6-220114	12-18 0-6	01/14/22 01/14/22	8.80 7.75	N N	N	N N	N N	9.78 8.61	N	N	N N	N
RHV-08 RHV08-8-220114	12-18	01/14/22	9.40	N N	N	N	N	10.4	N	N	N	N
RHV9-6-220110	0-6	01/10/22	15.3	N	N	N	N	17.0	N	N	N	N
RHV-09 RHV9-18-220110	12-18	01/10/22	22.5	N	N	N	N	25.0	N	N	N	N
RHV-10 RHV10-6-220110	0-6	01/10/22	12.7	N	N	N	N	14.1	N	N	Ν	N
KHV10-10-220110	12-18	01/10/22	10.5	N	N	N	N	11.7	N	N	N	N
RHV-11 RHV11-6-220110 RHV-11 RHV11-18-220110	0-6	01/10/22	9.60 8.85	N N	N	N N	N N	10.7 9.83	N N	N	N	N
RHV11-18-220110	0-6	01/10/22	6.80	N	N	N	N	7.56	N	N	N	N
RHV-12 RHV12-18-220110	12-18	01/10/22	8.65	N	N	N	N	9.61	N	N	N	N
RHV13-6-220110	0-6	01/10/22	8.65	N	Ν	N	Ν	9.61	Ν	N	Ν	Ν
RHV-13 RHV13-18-220110	12-18	01/10/22	6.15	N	N	N	Ν	6.83	N	N	Ν	N
RHV14-6-220111 RHV-14 PHV14 19 220111	0-6	01/11/22	16.0	N	N	N	N	17.8	N	N	N	N
KIIV14-10-220111	12-18	01/11/22	10.4 38.2	N	N	N	N	11.6 42.4	N	N	N	N
RHV15-6-220110 RHV-15 RHV15-18-220110	0-6	01/10/22	38.2	N N	N	N N	N N	42.4	N	N	N	N
RHV16-6-220110	0-6	01/10/22	11.5	N	N	N	N	12.8	N	N	N	N
RHV-16 RHV16-18-220110	12-18	01/10/22	12.6	N	N	N	N	14.0	N	N	N	N
RHV17-6-220111 RHV-17 PHV17 19 220111	0-6	01/11/22	16.5	N	Ν	N	Ν	18.3	N	N	Ν	N
KIIV17-10-220111	12-18	01/11/22	9.95	N	N	N	N	11.1	N	N	N	N
RHV18-6-220111 RHV-18 PHV19 19 220111	0-6	01/11/22	6.05 18.3	N	N	N	N	6.72	N	N	N	N
RHV-18 RHV18-18-220111 RHV19-6-220111	12-18 0-6	01/11/22	8.15	N N	N	N N	N N	20.3 9.06	N	N N	N N	N N
RHV-19 RHV19-18-220111	12-18	01/11/22	7.45	N	N	N	N	8.28	N	N	N	N
RHV20-6-220111	0-6	01/11/22	15.5	N	N	N	N	17.2	N	N	N	N
RHV-20 RHV20-18-220111	12-18	01/11/22	14.3	N	Ν	N	Ν	15.9	N	N	Ν	N
RHV-21 RHV21-6-220114	0-6	01/14/22	8.10	N	N	N	N	9.00	N	N	N	N
111121-10-220114	12-18	01/14/22	7.35 13.4	N	N N	N	N	8.17 14.9	N N	N	N	N
RHV-22 RHV22-6-220110 RHV22-18-220110	0-6 12-18	01/10/22 01/10/22	9.80	N N	N N	N N	N N	14.9	N	N N	N N	N N
RHV23-6-220114	0-6	01/14/22	13.1	N	N	N	N	14.6	N	N	N	N
RHV-23 RHV23-18-220114	12-18	01/14/22	8.05	N	N	N	N	8.94	N	N	N	N
RHV24-6-220110	0-6	01/10/22	12.4	N	Ν	N	Ν	13.8	N	Ν	Ν	N
111124-10-220110	12-18	01/10/22	7.80	N	N	N	N	8.67	N	N	N	N
RHV-25-6-220110 RHV-25 RHV25-18-220110	0-6	01/10/22	13.1	N	N	N	N	14.6 8.89	N	N	N	N
RHV26-6-220111	12-18 0-6	01/10/22	8.00 11.3	N N	N	N N	N	12.6	N N	N N	N N	N N
RHV-26 RHV26-18-220111	12-18	01/11/22	7.50	N	N	N	N	8.33	N	N	N	N
RHV27-6-220111	0-6	01/11/22	13.3	N	N	N	N	14.8	N	N	N	N
RHV-27 RHV27-18-220111	12-18	01/11/22	7.95	N	N	N	Ν	8.83	N	N	Ν	N
RHV28-6-220114 RHV-28 RHV28-18-220114	0-6	01/14/22	9.10	N	N	N	N	10.1	N	N	N	N
111120-10-220114	12-18	01/14/22	6.40	N	N	N	N	7.11	N	N	N	N
RHV-29 RHV29-6-220114 RHV29-18-220114	0-6 12-18	01/14/22	9.00 6.10	N N	N N	N N	N N	10.0 6.78	N N	N N	<u>N</u>	N N
111127-10-220114	12-10	01/14/22	0.10	IN	IN	IN	IN	0.70	IN	IN	IN	IN

Table 1. Reid-Hillview Surface Soil Analytical Data Compared to Environmental Screening Levels Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

					Wet Weight	Wet Weight	Wet Weight	Wet Weight		Assumed Dry	Assumed Dry	Assumed Dry	Assumed Dry
				Lead	Exceeds CA	Exceeds CA	Exceeds USEPA	Exceeds USEPA	Lead		Weight Exceeds CA		Weight Exceeds
		Depth	Sample	(mg/kg wet	Residentail Soil	Industrial Soil ESL	Residential Soil	Industrial Soil RSL	(mg/kg assumed	Residentail Soil	Industrial Soil ESL	USEPA Residential	USEPA Industrial
Location	Sample ID	(inches)	Date	weight)	ESL of 82 mg/kg ¹	of 380 mg/kg ²	RSL of 400 mg/kg ³	of 800 mg/kg ⁴	90% dry weight)	ESL of 82 mg/kg ¹	of 380 mg/kg ²	Soil RSL of 400	Soil RSL of 800
	RHV30-6-220111	0-6	01/11/22	5.25	N	N	N	N	5.83	N	N	N	N
КПУ-30	RHV30-18-220111	12-18	01/11/22	13.5	N	N	N	N	15.0	N	N	N	N
	RHV31-6-220111	0-6	01/11/22	14.8	N	N	Ν	Ν	16.4	N	N	Ν	N
RHV-31	RHV31-0-220111 RHV31-18-220111	12-18	01/11/22	7.70	N	N	Ν	Ν	8.56	Ν	Ν	Ν	N
	RHV32-6-220111	0-6	01/11/22	4.79	N	N	Ν	Ν	5.32	N	N	Ν	N
кпV-32	RHV32-18-220111	12-18	01/11/22	7.20	N	N	N	N	8.00	N	N	N	N

¹CA Residential Soil ESL = San Francisco Bay Regional Water Quality Control Board Residential Shallow Soil Exposure Cancer Risk, 2019

²CA Residential Soil ESL = San Francisco Bay Regional Water Quality Control Board Commercial/Industrial Shallow Soil Exposure Cancer Risk, 2019

³USEPA Regional Screening Level for Residential Soil, November 2021, HQ 0.1

⁴USEPA Regional Screening Level for Industrial Soil, November 2021, HQ 0.1

Table 2. San Martin Surface Soil Analytical Data Compared to Environmental Screening Levels Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

											Assumed Dry	Assumed Dry
						Wet Weight Exceeds	Wet Weight Exceeds		Assumed Dry	Assumed Dry	Weight Exceeds	Weight Exceeds
			Lead	Wet Weight Exceeds	Wet Weight Exceeds	USEPA Residential	USEPA Industrial	Lead	Weight Exceeds CA	Weight Exceeds CA	USEPA Residential	USEPA Industrial
	Depth	Sample	(mg/kg wet	CA Residentail Soil	CA Industrial Soil	Soil RSL of 400	Soil RSL of 800	(mg/kg assumed	Residentail Soil ESL	Industrial Soil ESL	Soil RSL of 400	Soil RSL of 800
Location Sample ID	(inches)	Date	weight)	ESL of 82 mg/kg ¹	ESL of 380 mg/kg ²	mg/kg ³	mg/kg ⁴	90% dry weight)	of 82 mg/kg ¹	of 380 mg/kg ²	mg/kg ³	mg/kg ⁴
F1601-6-220113	0-6	01/17/22	8.90	N	N	N	N	9.89	N	N	N	N
E16-01 E1601-18-220113	12-18	01/17/22	2.13 J	N	Ν	Ν	Ν	2.37 J	N	Ν	Ν	Ν
E16-02 E1602-6-220113	0-6	01/17/22	5.20	N	Ν	Ν	Ν	5.78	N	Ν	Ν	Ν
E1002-10-220113	12-18	01/17/22	2.35 J	N	Ν	N	N	2.61 J	N	Ν	Ν	N
E16-03 E1603-6-220113	0-6	01/17/22	7.60	N	N	N	N	8.44	N	N	N	N
E1003-10-220113	12-18	01/17/22	3.32	N	N	N	N	3.69	N	N	N	N
E16-04 E1604-6-220113 E1604-18-220113	0-6	01/17/22	5.75 1.94 J	N N	<u> </u>	<u>N</u>	N N	6.39 2.16 J	N N	N N	N N	N N
E1604-18-220113	0-6	01/17/22	1.94 J 16.2	N	N	N	N	18.0	N	N	N	N
E16-05 E1605-18-220113	12-18	01/17/22	2.77 J	N	N	N	N	3.08 J	N	N	N	N
F1606-6-220113	0-6	01/17/22	3.20	N	N	N	N	3.56	N	N	N	N
E16-06 E1606-18-220113	12-18	01/17/22	3.23	N	N	N	N	3.59	N	N	N	N
E1607-6-220118	0-6	01/18/22	1.91 J	Ν	Ν	Ν	Ν	2.12 J	Ν	Ν	Ν	N
E16-07 E1607-18-220118	12-18	01/18/22	2.50 J	N	Ν	Ν	Ν	2.78 J	N	Ν	Ν	Ν
E1608-6-220113	0-6	01/17/22	6.55	N	Ν	Ν	Ν	7.28	N	Ν	Ν	Ν
E16-08 E1608-18-220113	12-18	01/17/22	2.48 J	N	Ν	Ν	Ν	2.76 J	N	Ν	Ν	N
E16-09 E1609-6-220113	0-6	01/17/22	14.5	N	Ν	Ν	Ν	16.1	N	Ν	Ν	N
E1009-18-220113	12-18	01/17/22	5.05	N	N	N	N	5.61	N	N	N	N
E16-10 E1610-6-220113	0-6	01/17/22	2.95 J	N	N	N	N	3.28 J	N	N	N	N
E1010-16-220113	12-18	01/17/22	2.11 J	N	N	N	N	2.34 J	N	N	N	N
E16-11 E1611-6-220118	0-6	01/18/22	8.60 3.45	N	N	N	N	9.56	N	N	N	N
E16-11 E1611-18-220118 E16-12-6-220113	12-18 0-6	01/18/22 01/13/22	3.45 9.05	N N	N N	N N	N N	3.83 10.1	N N	N N	N	N N
E16-12 E16-12-18-220113	12-18	01/13/22	7.60	N	N	N	N	8.44	N	N	N	N
E16-13-6-220113	0-6	01/13/22	5.05	N	N	N	N	5.61	N	N	N	N
E16-13 E16-13-18-220113	12-18	01/13/22	3.63	N	N	N	N	4.03	N	N	N	N
F16-14-6-220113	0-6	01/13/22	13.9	N	N	N	N	15.4	N	N	N	N
E16-14 E16-14-18-220113	12-18	01/13/22	2.49 J	N	N	N	N	2.77 J	N	N	N	N
E16-15-6-220113	0-6	01/13/22	26.1	N	Ν	Ν	Ν	29.0	N	Ν	Ν	N
E16-15 E16-15-18-220113	12-18	01/13/22	8.05	N	Ν	Ν	Ν	8.94	N	Ν	Ν	Ν
E16-16 E16-16-6-220113	0-6	01/13/22	5.10	N	Ν	N	N	5.67	N	Ν	Ν	N
E10-10-10-220113	12-18	01/13/22	8.60	N	N	N	N	9.56	N	N	N	N
E16-17 E1617-6-220118	0-6	01/18/22	3.35	N	N	N	N	3.72	N	N	N	N
E1017-10-220110		01/18/22	3.56	N	N	N	N	3.96	N	N	N	N
E16-18 E16-18-6-220112 E16-18-18-220112	0-6 12-18	01/12/22 01/12/22	7.60 3.49	N N	N	N N	N N	<u>8.44</u> 3.88	N	N	N	N
E1620-6-220112	0-6	01/12/22	2.98 J	N	<u> </u>	N	N	3.30 J	N N	N N	N N	N N
E16-20 E1620-0-220118	12-18	01/18/22	3.27	N	N	N	N	3.63	N	N	N	N
F16-21-6-220113	0-6	01/13/22	7.95	N	N	N	N	8.83	N	N	N	N
E16-21 E16-21-18-220113	12-18	01/13/22	3.55	N	N	N	N	3.94	N	N	N	N
F16-22-6-220112	0-6	01/12/22	7.70	N	N	N	N	8.56	N	N	N	N
E16-22 E16-22-18-220112	12-18	01/12/22	4.68	N	Ν	Ν	Ν	5.20	N	Ν	Ν	Ν
E16-23-6-220112	0-6	01/12/22	6.65	N	N	Ν	N	7.39	N	Ν	Ν	Ν
E16-23 E16-23-18-220112	12-18	01/12/22	3.31	N	Ν	Ν	Ν	3.68	N	Ν	Ν	Ν
E16-24 E16-24-6-220112 E16-24 E16-24-18-220112	0-6	01/12/22	7.10	N	N	N	N	7.89	N	N	N	N
L10-24-10-220112	12-18	01/12/22	4.55	N	N	N	N	5.06	N	N	N	N
E16-25 E16-25-6-220112	0-6	01/12/22	8.05	N	N	N	N	8.94	N	N	N	N
L10-25-10-220112		01/12/22	4.62	N	N	N	N	5.13	N	N	N	N
E16-26 E16-26-6-220113 E16-26-18-220113	0-6	01/13/22 01/13/22	7.40 3.31	N	N	N	N	8.22 3.68	N	N	N	N
E16-27-6-220113	0-6	01/13/22	6.55	N N	<u> </u>	<u> </u>	N N	7.28	N N	N N	N N	N N
E16-27 E16-27-18-220113		01/13/22	5.90	N N	N	N	N	6.56	N	N	N	N
LIU-27-10-220113	12-10	01/15/22	5.70	11	IN	IN	IN	0.00	IN IN	I N	IN	11

Table 2. San Martin Surface Soil Analytical Data Compared to Environmental Screening Levels Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

												Assumed Dry	Assumed Dry
							Wet Weight Exceeds	Wet Weight Exceeds		Assumed Dry	Assumed Dry	Weight Exceeds	Weight Exceeds
				Lead	Wet Weight Exceeds	Wet Weight Exceeds	USEPA Residential	USEPA Industrial	Lead	Weight Exceeds CA	Weight Exceeds CA	USEPA Residential	USEPA Industrial
		Depth	Sample	(mg/kg wet	CA Residentail Soil	CA Industrial Soil	Soil RSL of 400	Soil RSL of 800	(mg/kg assumed	Residentail Soil ESL	Industrial Soil ESL	Soil RSL of 400	Soil RSL of 800
Location	Sample ID	(inches)	Date	weight)	ESL of 82 mg/kg ¹	ESL of 380 mg/kg ²	mg/kg ³	mg/kg ⁴	90% dry weight)	of 82 mg/kg ¹	of 380 mg/kg ²	mg/kg ³	mg/kg ⁴
E16-28	E16-28-6-220113	0-6	01/13/22	5.90	N	Ν	N	Ν	6.56	N	N	Ν	Ν
E10-20	E16-28-18-220113	12-18	01/13/22	3.31	N	Ν	N	Ν	3.68	N	N	Ν	N
E16-29	E16-29-6-220113	0-6	01/13/22	9.55	N	Ν	N	Ν	10.6	N	N	N	N
E10-29	E16-29-18-220113	12-18	01/13/22	3.20	N	Ν	N	Ν	3.56	N	N	Ν	N
E16-30	E16-30-6-220112	0-6	01/12/22	8.30	N	Ν	N	Ν	9.22	N	N	Ν	N
E10-30	E16-30-18-220112	12-18	01/12/22	4.01	N	Ν	N	Ν	4.46	N	N	Ν	N
E16-31	E16-31-6-220112	0-6	01/12/22	6.50	N	Ν	N	Ν	7.22	N	N	Ν	N
E10-31	E16-31-18-220112	12-18	01/12/22	7.05	N	Ν	N	Ν	7.83	N	N	N	N
E16-32	E16-32-6-220112	0-6	01/12/22	9.05	N	Ν	N	Ν	10.1	N	N	N	N
L10-32	E16-32-18-220112	12-18	01/12/22	3.60	N	N	N	N	4.00	N	N	N	N
E16-33	E16-33-6-220112	0-6	01/12/22	5.60	N	N	N	N	6.22	N	N	N	N
L10-33	E16-33-18-220112	12-18	01/12/22	3.89	N	N	N	N	4.32	N	N	N	N
E16-34	E16-34-6-220112	0-6	01/12/22	8.30	N	N	N	N	9.22	N	N	N	N
L10-34	E16-34-18-220112	12-18	01/12/22	9.60	N	N	N	N	10.7	N	N	N	N
E16-35	E16-35-6-220112	0-6	01/12/22	7.05	N	N	N	N	7.83	N	N	N	N
L10-35	E16-35-18-220112	12-18	01/12/22	3.75	N	N	N	N	4.17	N	N	N	N
E16-36	E16-36-6-220112	0-6	01/12/22	17.5	N	N	N	N	19.4	N	N	N	N
L10-30	E16-36-18-220112	12-18	01/12/22	27.3	N	N	N	Ν	30.3	N	N	N	Ν

¹CA Residential Soil ESL = San Francisco Bay Regional Water Quality Control Board Residential Shallow Soil Exposure Cancer Risk, 2019

²CA Residential Soil ESL = San Francisco Bay Regional Water Quality Control Board Commercial/Industrial Shallow Soil Exposure Cancer Risk, 2019

³USEPA Regional Screening Level for Residential Soil, November 2021, HQ 0.1

⁴USEPA Regional Screening Level for Industrial Soil, November 2021, HQ 0.1

Table 3. Reid-Hillview Surface Soil Analytical Data Compared to California Total Threshold Limit Concentrations (TTLC**s**)

Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

				Lead	Exceeds CA TTLC	Exceeds CA TTLC
		Depth	Sample	(mg/kg wet	Trigger of 50	Trigger of 100
Location	Sample ID	(inches)	Date	weight)	mg/kg for STLC	mg/kg for TCLP
	RHV01-6-220114	0-6	01/14/22	8.30	N	N
RHV-01	RHV01-18-220114	12-18	01/14/22	8.20	Ν	N
	RHV02-6-220114	0-6	01/14/22	16.5	Ν	N
RHV-02	RHV02-18-220114	12-18	01/14/22	8.65	Ν	Ν
	RHV03-6-220114	0-6	01/14/22	22.2	Ν	Ν
RHV-03	RHV03-18-220114	12-18	01/14/22	42.0	Ν	Ν
	RHV04-6-220114	0-6	01/14/22	7.00	Ν	Ν
RHV-04	RHV04-18-220114	12-18	01/14/22	14.9	Ν	N
	RHV05-6-220114	0-6	01/14/22	7.65	Ν	N
RHV-05	RHV05-18-220114	12-18	01/14/22	6.30	Ν	N
	RHV06-6-220114	0-6	01/14/22	5.30	Ν	Ν
RHV-06	RHV06-18-220114	12-18	01/14/22	23.9	Ν	N
	RHV07-6-220114	0-6	01/14/22	11.4	Ν	N
RHV-07	RHV07-18-220114	12-18	01/14/22	8.80	Ν	Ν
	RHV08-6-220114	0-6	01/14/22	7.75	Ν	N
RHV-08	RHV08-18-220114	12-18	01/14/22	9.40	Ν	N
	RHV9-6-220110	0-6	01/10/22	15.3	Ν	N
RHV-09	RHV9-18-220110	12-18	01/10/22	22.5	Ν	N
	RHV10-6-220110	0-6	01/10/22	12.7	Ν	N
RHV-10	RHV10-18-220110	12-18	01/10/22	10.5	Ν	N
RHV-11	RHV11-6-220110	0-6	01/10/22	9.60	Ν	N
	RHV11-18-220110	12-18	01/10/22	8.85	N	N
RHV-12	RHV12-6-220110	0-6	01/10/22	6.80	N	N
	RHV12-18-220110	12-18	01/10/22	8.65	Ν	N
RHV-13	RHV13-6-220110	0-6	01/10/22	8.65	Ν	N
KIIV-IJ	RHV13-18-220110	12-18	01/10/22	6.15	Ν	N
RHV-14	RHV14-6-220111	0-6	01/11/22	16.0	Ν	N
KIIV-14	RHV14-18-220111	12-18	01/11/22	10.4	N	N
RHV-15	RHV15-6-220110	0-6	01/10/22	38.2	Ν	N
KIIV-13	RHV15-18-220110	12-18	01/10/22	37.3	Ν	N
RHV-16	RHV16-6-220110	0-6	01/10/22	11.5	N	N
KIIV-10	RHV16-18-220110	12-18	01/10/22	12.6	N	N
RHV-17	RHV17-6-220111	0-6	01/11/22	16.5	N	N
	RHV17-18-220111	12-18	01/11/22	9.95	N	N
RHV-18	RHV18-6-220111	0-6	01/11/22	6.05	N	N
	RHV18-18-220111	12-18	01/11/22	18.3	N	N
RHV-19	RHV19-6-220111	0-6	01/11/22	8.15	N	N
	RHV19-18-220111	12-18	01/11/22	7.45	N	N
RHV-20	RHV20-6-220111	0-6	01/11/22	15.5	N	N
	RHV20-18-220111	12-18	01/11/22	14.3	N	N
RHV-21	RHV21-6-220114	0-6	01/14/22	8.10	N	N
	RHV21-18-220114	12-18	01/14/22	7.35	N	N
RHV-22	RHV22-6-220110	0-6	01/10/22	13.4	N	N
	RHV22-18-220110	12-18	01/10/22	9.80	N	N

Table 3. Reid-Hillview Surface Soil Analytical Data Compared to California Total Threshold Limit Concentrations (TTLC)

Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

				Lood		
		_		Lead	Exceeds CA TTLC	Exceeds CA TTLC
		Depth	Sample	(mg/kg wet	Trigger of 50	Trigger of 100
Location	Sample ID	(inches)	Date	weight)	mg/kg for STLC	mg/kg for TCLP
	RHV23-6-220114	0-6	01/14/22	13.1	N	N
RHV-23	RHV23-18-220114	12-18	01/14/22	8.05	Ν	N
RHV-24	RHV24-6-220110	0-6	01/10/22	12.4	Ν	N
RHV-24	RHV24-18-220110	12-18	01/10/22	7.80	N	N
RHV-25	RHV25-6-220110	0-6	01/10/22	13.1	N	N
RHV-20	RHV25-18-220110	12-18	01/10/22	8.00	Ν	N
	RHV26-6-220111	0-6	01/11/22	11.3	Ν	N
RHV-26	RHV26-18-220111	12-18	01/11/22	7.50	Ν	N
	RHV27-6-220111	0-6	01/11/22	13.3	Ν	N
RHV-27	RHV27-18-220111	12-18	01/11/22	7.95	Ν	N
RHV-28	RHV28-6-220114	0-6	01/14/22	9.10	Ν	N
RHV-28	RHV28-18-220114	12-18	01/14/22	6.40	N	N
RHV-29	RHV29-6-220114	0-6	01/14/22	9.00	Ν	N
КПУ-29	RHV29-18-220114	12-18	01/14/22	6.10	N	N
RHV-30	RHV30-6-220111	0-6	01/11/22	5.25	N	N
RHV-30	RHV30-18-220111	12-18	01/11/22	13.5	Ν	N
	RHV31-6-220111	0-6	01/11/22	14.8	Ν	N
RHV-31	RHV31-18-220111	12-18	01/11/22	7.70	Ν	N
RHV-32	RHV32-6-220111	0-6	01/11/22	4.79	Ν	N
кп∨-з∠	RHV32-18-220111	12-18	01/11/22	7.20	Ν	N

 Table 4. San Martin Surface Soil Analytical Data Compared to California Total Threshold Limit Concentrations (TTLCs)

 Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

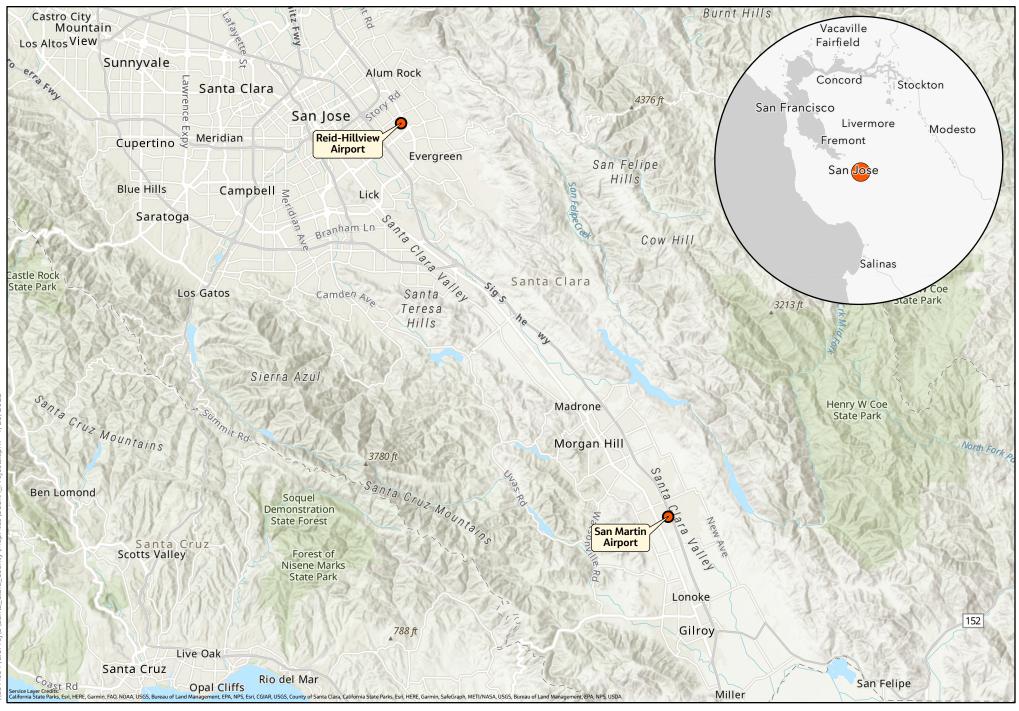
Location Sample ID Depth (mcs) Sample ID Trigger of 100 mg/kg for STLC E16-01 E1601-6-220113 10-6 01717/22 28.90 N N E1601-62020113 10-6 01717/22 2.13.J N N E1602-6202113 10-6 01717/22 2.3.J N N E1603-6220113 10-6 01717/22 2.3.J N N E1604 E1603-6220113 10-6 01717/22 2.5.75 N N E16-04 E1604-6220113 10-6 01717/22 5.75 N N E16-05 E1605-6220113 10-6 01717/22 3.22 N N E16-06 E1606-6220113 10-6 01717/22 3.23 N N E16-07 E16061-8220118 10-7 0.77 3.22 N N E16-08 E16061-8220113 10-6 01717/22 3.50 N N E16-04 E16061-8220113 10-7 0.6					Lead	Exceeds CA TTLC	Exceeds CA TTLC
Location Sample ID (inches) Date weight) mg/kg for STLC mg/kg for TCLF E16-01 E1601-6-220113 12-18 01/11/22 2.13 J N N E16-02 E1602-18-220113 12-18 01/11/22 2.520 N N E1603-6-220113 12-18 01/11/22 2.32 N N E1603-6-220113 12-18 01/11/22 3.32 N N E1604 E1604-6-220113 12-18 01/11/22 3.32 N N E1604 E1604-6-220113 12-18 01/11/22 3.22 N N N E1605 F1605-6-220113 12-18 01/11/22 2.77 N N N E1606 F1606-6-220113 12-18 01/11/22 3.20 N N N E1607 F220118 12-18 01/11/22 3.21 N N N E1608 F220113 12-18 01/11/22 2.431 N <t< td=""><td></td><td></td><td>Depth</td><td>Sample</td><td></td><td></td><td></td></t<>			Depth	Sample			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Location	Sample ID	•				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			· /		0,	0	0 0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	E16-01	E1601-18-220113	12-18	01/17/22	2.13 J	N	N
	F1(00	E1602-6-220113	0-6	01/17/22	5.20	N	N
	E16-02	E1602-18-220113	12-18	01/17/22		N	N
	F14 02				7.60	N	N
	E10-03						
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	F16-04						
$ \begin{split} & E16.05 \\ \hline E1606-18:220113 & 12:18 & 01/17/22 & 2.77 J & N & N \\ \hline E1606-16:220113 & 0.6 & 01/17/22 & 3.20 & N & N \\ \hline E1606-18:220113 & 12:18 & 01/17/22 & 3.23 & N & N \\ \hline E1607-18:220118 & 12:18 & 01/17/22 & 3.23 & N & N \\ \hline E1607-18:220118 & 12:18 & 01/17/22 & 3.23 & N & N \\ \hline E1608-18:220113 & 0.6 & 01/17/22 & 2.55 & N & N \\ \hline E1608-18:220113 & 0.6 & 01/17/22 & 2.48 J & N & N \\ \hline E1609-18:220113 & 0.6 & 01/17/22 & 5.05 & N & N \\ \hline E1609-18:220113 & 0.6 & 01/17/22 & 5.05 & N & N \\ \hline E1609-18:220113 & 0.6 & 01/17/22 & 5.05 & N & N \\ \hline E1610-6:220113 & 0.6 & 01/17/22 & 2.95 J & N & N \\ \hline E1610-6:220113 & 0.6 & 01/17/22 & 2.95 J & N & N \\ \hline E1610-6:220113 & 0.6 & 01/17/22 & 2.95 J & N & N \\ \hline E1611-6:220113 & 0.6 & 01/17/22 & 3.45 & N & N \\ \hline E16-11 & E161-6:220113 & 0.6 & 01/13/22 & 9.05 & N & N \\ \hline E16-12 & E16-2:6:220113 & 0.6 & 01/13/22 & 7.60 & N & N \\ \hline E16-13 & E16-3:6:220113 & 12:18 & 01/13/22 & 7.60 & N & N \\ \hline E16-14 & E16-14:6:220113 & 0.6 & 01/13/22 & 5.05 & N & N \\ \hline E16-15 & E16-13:18:220113 & 12:18 & 01/13/22 & 2.61 & N & N \\ \hline E16-16 & -15:18:220113 & 0.6 & 01/13/22 & 2.61 & N & N \\ \hline E16-16 & -15:18:220113 & 12:18 & 01/13/22 & 2.510 & N & N \\ \hline E16-16 & -15:18:220113 & 12:18 & 01/13/22 & 3.45 & N & N \\ \hline E16-16 & -15:18:220113 & 12:18 & 01/13/22 & 3.50 & N & N \\ \hline E16-16 & -18:220113 & 12:18 & 01/13/22 & 3.50 & N & N \\ \hline E16-16 & -18:220113 & 12:18 & 01/13/22 & 3.50 & N & N \\ \hline E16-16 & -18:220113 & 12:18 & 01/13/22 & 3.50 & N & N \\ \hline E16-16 & -16:220113 & 0.6 & 01/18/22 & 3.55 & N & N \\ \hline E16-20 & E1220-18: 20112 & 0.6 & 01/18/22 & 3.55 & N & N \\ \hline E16-20 & E1220-18: 20112 & 12:18 & 01/13/22 & 3.55 & N & N \\ \hline E16-21 & E16-220118 & 0.6 & 01/18/22 & 3.27 & N & N \\ \hline E16-21 & E16-220112 & 0.6 & 01/12/22 & 3.55 & N & N \\ \hline E16-22 & E16-220112 & 0.6 & 01/12/22 & 3.55 & N & N \\ \hline E16-23 & E1220112 & 12:18 & 01/13/22 & 3.55 & N & N \\ \hline E16-24 & E1220112 & 12:18 & 01/13/22 & 3.55 & N & N \\ \hline E16-25 & E-220112 & 0.6 & 01/12/22 & 3.31 & N & N \\ \hline E16-26 & E16-26-113 & 0.26 & 01/12/22 & 3.31 & N $			-				
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$ \begin{split} E16-06 & [1606-18:220113 & 12-18 & 01/17/22 & 3.23 & N & N \\ E1607 & 6220118 & 0.6 & 01/18/22 & 1.91 J & N & N \\ E1607 & E120113 & 12-18 & 01/18/22 & 2.50 J & N & N \\ E1608 & E120113 & 12-18 & 01/17/22 & 2.55 & N & N \\ E1609 & E120113 & 12-18 & 01/17/22 & 2.48 J & N & N \\ E1609 & E120113 & 12-18 & 01/17/22 & 2.95 J & N & N \\ E1609 & E120113 & 12-18 & 01/17/22 & 2.95 J & N & N \\ E1609 & E120113 & 12-18 & 01/17/22 & 2.95 J & N & N \\ E1610 & E120113 & 0.6 & 01/18/22 & 8.60 & N & N \\ E1611 & E1611-6-220113 & 0.6 & 01/18/22 & 8.60 & N & N \\ E16-11 & E1611-6-220113 & 12-18 & 01/18/22 & 3.45 & N & N \\ E16-12 & E1611-8-220113 & 12-18 & 01/18/22 & 3.45 & N & N \\ E16-12 & E161-2-6-220113 & 0.6 & 01/18/22 & 3.63 & N & N \\ E16-13 & E16-3-6-220113 & 0.6 & 01/13/22 & 3.63 & N & N \\ E16-13 & E16-3-6-220113 & 0.6 & 01/13/22 & 3.63 & N & N \\ E16-14 & E16-4-6-220113 & 0.6 & 01/13/22 & 3.63 & N & N \\ E16-14 & E16-14-6-220113 & 0.6 & 01/13/22 & 3.63 & N & N \\ E16-15 & E16-20113 & 0.6 & 01/13/22 & 3.63 & N & N \\ E16-14 & E16-14-18-220113 & 12-18 & 01/13/22 & 26.1 & N & N \\ E16-15 & E16-20113 & 0.6 & 01/13/22 & 3.65 & N & N \\ E16-15 & E16-20113 & 0.6 & 01/13/22 & 3.65 & N & N \\ E16-16 & E16-220113 & 0.6 & 01/13/22 & 3.55 & N & N \\ E16-17 & E1617-6-220113 & 0.6 & 01/13/22 & 3.35 & N & N \\ E16-17 & E1617-6-220113 & 0.6 & 01/13/22 & 3.25 & N & N \\ E16-18 & E120-12 & 0.6 & 01/13/22 & 3.27 & N & N \\ E16-20 & E20112 & 0.6 & 01/12/22 & 7.60 & N & N \\ E16-20 & E20112 & 0.6 & 01/12/22 & 7.70 & N & N \\ E16-21 & E162-6-220112 & 0.6 & 01/12/22 & 3.27 & N & N \\ E16-21 & E162-6-220112 & 0.6 & 01/12/22 & 3.25 & N & N \\ E16-22 & E16-22-6120112 & 0.6 & 01/12/22 & 3.35 & N & N \\ E16-24 & E16-24-6-220112 & 0.6 & 01/12/22 & 3.35 & N & N \\ E16-24 & E16-24-6-220112 & 0.6 & 01/12/22 & 3.35 & N & N \\ E16-24 & E16-24-6-220112 & 0.6 & 01/12/22 & 3.31 & N & N \\ E16-24 & E16-24-6-220112 & 0.6 & 01/12/22 & 3.31 & N & N \\ E16-26 & E16-26-6120113 & 0.26 & 01/12/22 & 3.31 & N & N \\ E16-26 & E16-26-6120113 & 0.26 & 01/12/22 & 3.31 & N & N \\ E16-26 & E16-26-612$			-				
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$ \begin{split} & E16-08 \\ E1608-B-220113 \\ E1609-6-220113 \\ O-6 \\ O1/17/22 \\ O-7 \\$			-				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	E16-08						
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			-				
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	F4 / 4 /	E1611-6-220118	0-6	01/18/22	8.60	N	
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$ \begin{array}{llllllllllllllllllllllllllllllllllll$	E10-12	E16-12-18-220113	12-18	01/13/22	7.60	N	N
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E16-28 E16-28-18-220113 12-18 01/13/22 3.31 N N E16-29 E16-29-6-220113 0-6 01/13/22 9.55 N N E16-29 E16-29-18-220113 12-18 01/13/22 3.20 N N E16-30 E16-30-6-220112 0-6 01/12/22 8.30 N N E16-30 E16-30-18-220112 12-18 01/12/22 4.01 N N E14-31 E16-31-6-220112 0-6 01/12/22 6.50 N N							
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E16-29 E16-29-18-220113 12-18 01/13/22 3.20 N N E16-30 E16-30-6-220112 0-6 01/12/22 8.30 N N E16-30 E16-30-18-220112 12-18 01/12/22 4.01 N N E14-31 E16-31-6-220112 0-6 01/12/22 6.50 N N							
E16-30 E16-30-6-220112 0-6 01/12/22 8.30 N N E16-30 E16-30-18-220112 12-18 01/12/22 4.01 N N E14-31 E16-31-6-220112 0-6 01/12/22 6.50 N N	E16-29						
E16-30-16-220112 12-16 01/12/22 4.01 N N	F1(00						
	E16-30					N	N
I ^{E10-31} [E16-31-18-220112 12-18 01/12/22 7.05 N N	E14 01					N	N
	L10-31	E16-31-18-220112	12-18	01/12/22	7.05	N	N

 Table 4. San Martin Surface Soil Analytical Data Compared to California Total Threshold Limit Concentrations (TTLCs)

 Aerially Deposited Lead (ADL) Investigation Report, Reid-Hillview and San Martin Airports, Santa Clara County, California

				Lead	Exceeds CA TTLC	Exceeds CA TTLC
		Depth	Sample	(mg/kg wet	Trigger of 50	Trigger of 100
Location	Sample ID	(inches)	Date	weight)	mg/kg for STLC	mg/kg for TCLP
E16-32	E16-32-6-220112	0-6	01/12/22	9.05	N	N
E10-32	E16-32-18-220112	12-18	01/12/22	3.60	N	N
F1(00	E16-33-6-220112	0-6	01/12/22	5.60	Ν	N
E16-33	E16-33-18-220112	12-18	01/12/22	3.89	Ν	N
F1()4	E16-34-6-220112	0-6	01/12/22	8.30	Ν	N
E16-34	E16-34-18-220112	12-18	01/12/22	9.60	Ν	N
F1/ 0F	E16-35-6-220112	0-6	01/12/22	7.05	Ν	N
E16-35	E16-35-18-220112	12-18	01/12/22	3.75	Ν	N
F1/ 0/	E16-36-6-220112	0-6	01/12/22	17.5	Ν	N
E16-36	E16-36-18-220112	12-18	01/12/22	27.3	N	N

Figures



0 2 4 Miles

Figure 1 Site Location Map Aerially Deposited Lead Investigation Report Santa Clara County, California



0 200 400 Feet

Original Sample Location

Relocated Sample Location

Figure 2 Reid-Hillview Airport Soil Sampling Locations Aerially Deposited Lead Investigation Report Santa Clara County, California



0 200 400 Feet

Original Sample Location

- Relocated Sample Location
- Removed Sample Location

Figure 3 San Martin Airport Soil Sampling Locations Aerially Deposited Lead Investigation Report Santa Clara County, California

Appendix A Field Notes

Santa Clara RHV Soil Saryohn 01-10-2022 6 Jacobs on -sit OHS Mat up John Suter (Escort) 0815 Africe and RHV-24 within running 0830 to berin sampling. Completed RHU-24 RHV-25 + 0945 RHU-22 Soil grab samples, completed suil sampling @ RHU-13 electric line preserva within 1025 15 hotter Complete 2 RAV-10 RAV-11 + 1140 RHU-12 Lunch break 1145 Escorted back on to site 1230 Complet 2 RHU-09 RHU-15 & 1340 R4N-16 Escontro off convers 1345 completed/finalized coc + 1420 packed sample coster for drop off ant lows. Jacobs AF-site 1500 C EOP

Santa Clara 01-11-22 RAV San Martine Soil Sampling Jacobs on -site outside of a port 0745 extrance Mert wy John Siter (Site escort) 0815 & taken on-site Completed sail sampling at 1100 6" + 18" depths wsiz hand auger + dig bar at: RHV-17,18,19,20+26 (115)Short bruke for urgent other work Meetings. 1145 Lunch break Reconvere affir lunch 1240 Escorte 2 an to runnings to confining 1245 soil sampling Completed soil sampling activities 1440 at RHV-14, 27, 30, 31+32. Packed up samplin equip for the day / escorted off the runway. 1450 Generated COC/ Sample check 510 Jacobs off-site to 2000 off 1550 samples at Jab. EGD + Rite in the Rain.

Sinta Jara - Sin Martin 8 01-12-22 Jacobs on - 1.7 / met my Mike 0745 -site event Tailgate conducted (POWRA review) 0610 Mobilized to sample print in 6835 adjacent tield (adj. to snawag) - point with the solar parel Field (implaced rangli, actured w/ 1115 hand any of trouble eta an Sampli p: + E16-30 through E16-36 (7 p. - - 2 in tot-1) (30,31, 32, 33, 34, 35+36) Luch break 120 Escurad to another apen Fold 1210 adj. to curry (skydiving fired d) Record sampli activity 1220 (100/22-2 Samplin) activities = points E16-18 + E16-22 thru E16-25 (Spts. in tota) (22,23,24, +25) (Spts. in tota) 1415 - Finished 12 sampling pts / 24 samples JALOBS FF-SITE 1500 FOP 121

Santa Clara San Martin 01-13-22 9 Soil Sampling 0745 Jacobs on-site 0750 Sataly tailacte mating conducted Satory to start sampling Completed sont sampling activities 0805 1250 on E16-12 thru E16-16; E16-21; E16-26 thru E18-29 (16 pts. / 20 sampled in total) Exercised t 3150 E16-19 relocated 15' -1. war2, K runung, Esconted AS the runway 1300 1305 U-ch brack Complete COCS & Sample dock Jacobs df-site for sample Zrop off at lab. 1330 1430 FOD

Rite in the Rain.

Santa Clara RHV Soil Sampling 01-14-22 10 Met with PGEE pointing A gas line at RHU-05, no conflict. 0745 courdinally for access to RHV 0800 4 + 7 Por POLE chenrana. confirmed access to RHV 4+7 0820 26+E \$\$ -5:te 0940 Completed soil samplin For RAV-04, RAV-07 & RAV-29 1040 -RAV-un has PlotE utility located agains to better rom - no un fli A Complete) soil sampling adapts on RHU-05 RHU-06, RHU-08, 1300 RHU-21, RHU-23 -RAV-05 has stilling lines but no contricts. Unch bacak 1305 Completer 2 soil sampling activities on RHV 1 - 3 & RHV - 28. 1530 - All RHV sampling locations donc. Todum left site for sample dup 1605 at lub. Jacobs off-site 1630 FOD

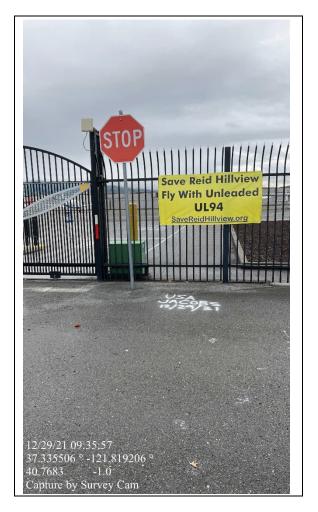
01-17-22 11 Sunta Clara San Martin Soil Sampling 0750 Jacobs on-site 0815 Escorted on to the poposy 0830 Conducted saterty tailjate meeting 1215 completed sampling activities on prints: E16-01, E16-02, E16-03, E16-04, JT F16-06, E16-08, E16-10, + E16-20 -EK-20 met retusal at esract proposed point. point relacated approx. 13 toom original point; still within still cleared 15" boffer. 1225 Lunch break Res-mod activity 1300 Completed sampling activities 1410 an points: F15-05 + E16-09 E16-05 relocated 13' towards the taxiway due to significan gravel Esconted At-site 1415 Cols completed + Jacobs St -site 1420 For sample drip Partab EOD Rite in the Rain.

12 Santa Clara RHV 01-18-22 Soil Sampling 0850 Jarcobs and te Escorted on to site property 0955 Conducted sating tailgan meaning 0905 continued soil sampling 0915 Completed sampling activities 1055 on points: (E'E' is skipped; pt. srid still rep.) E16-7, E16-11, E16-17, + E16-20. -E16-20 was sampled at the robicated pains within the utility cleared is buter zone, 1160 Completed Sinal decon. for all equipmons Escurted off site property 1116 1115 Completed coc/sample check Jacobs off-site 1200 -All sampling activities completed. EUP

Appendix B Representative Photographs



12/28/2021. USA marking at San Martin Airport (E16) entrance.



12/29/2021. USA marking at Reid-Hillview Airport (RHV) entrance.



12/28/2021. E16-04 Utility Clearance



12/28/2021. E16-21: Utility Clearance



1/17/2022. E16-05: Sampling point relocated 13 feet towards taxiway due to significant gravel.



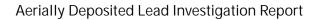
1/17/2022. E16-20: Proposed sampling point met refusal.

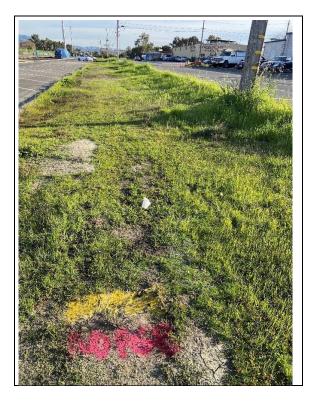


1/18/2022. E16-20: Sampling point relocated 13 feet from original point (pre-excavation).



1/14/2022. RHV-05: Utility Clearance





1/14/2022. RHV-01: Excess soil replaced in borehole after completed soil sampling.



1/14/2022. RHV-07: Excess soil replaced in borehole after completed soil sampling.



1/10/2022. RHV-24: Pre-excavation soil sampling location and equipment.



1/10/2022. RHV-25: Soil sampling location during excavation with hand auger.



1/14/2022. RHV-28: Pre-excavation soil sampling location and equipment.



1/11/2022. RHV-32: Post-excavation soil sampling location and equipment.

Appendix C Laboratory Reports and CoCs



Jacobs Associates 465 California St, Suite 1000 San Francisco, California 94104 Tel: 408 398 7889

RE: Santa Clara County ADL investigation

Work Order No.: 2201047

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 20 sample(s) on January 10, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

January 17, 2022 Date

Patti L Sandrock QA Officer

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com



Date: 1/17/2022

Client: Jacobs Associates Project: Santa Clara County ADL investigation Work Order: 2201047

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.



Sample Result Summary

Report prepared for:	Tara Zuroweste					Received: 0	
RHV22-6-220110	Jacobs Associates				Date	Reported: 0 22	01047-001
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	13.4	mg/Kg
RHV22-18-220110						22	01047-002
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	9.80	mg/Kg
RHV24-6-220110						22	01047-003
<u>Parameters:</u>		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	12.4	mg/Kg
RHV24-18-220110						22	01047-004
Parameters:		<u>Analysis</u> <u>Method</u>	DF	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.80	mg/Kg
RHV10-6-220110						22	01047-005
<u>Parameters:</u>		<u>Analysis</u> <u>Method</u>	DF	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	12.7	mg/Kg
RHV10-18-220110						22	01047-006
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	10.5	mg/Kg
RHV25-6-220110						22	01047-007
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	13.1	mg/Kg
RHV25-18-220110						220	01047-008
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.00	mg/Kg
RHV13-6-220110						220	01047-009
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.65	mg/Kg
RHV13-18-220110						220	01047-010
Parameters:		<u>Analysis</u> <u>Method</u>	DF	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	6.15	mg/Kg

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Sample Result Summary

Report prepared for:	Tara Zuroweste Jacobs Associates					Received: 0 Reported: 0	
RHV16-18-220110					Dute	-	01047-011
Parameters:		<u>Analysis</u> <u>Method</u>	DF	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	12.6	mg/Kg
RHV16-6-220110						22	01047-012
Parameters:		<u>Analysis</u> <u>Method</u>	DF	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	11.5	mg/Kg
RHV15-18-220110						22	01047-013
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	37.3	mg/Kg
RHV15-6-220110						22	01047-014
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	38.2	mg/Kg
RHV9-6-220110						22	01047-015
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	15.3	mg/Kg
RHV9-18-220110						22	01047-016
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	22.5	mg/Kg
RHV11-6-220110						22	01047-017
Parameters:		<u>Analysis</u> <u>Method</u>	DF	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	9.60	mg/Kg
RHV11-18-220110						220	01047-018
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.85	mg/Kg
RHV12-6-220110						220	01047-019
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	6.80	mg/Kg
RHV12-18-220110						22	01047-020
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.65	mg/Kg

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Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			0/22, 3 rted: 01	-
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV22-6-2: Santa Clara W8Y15300 01/10/22 / 9	y ADL inve	estigation	Lab Sampl Sample Ma		220104 Soil	7-001A				
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		me: 1/11/2 LIMB		1:50:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	13.4		mg/Kg	01/13/22	12:36	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV22-18- Santa Clara W8Y15300 01/10/22 / 9	Count		estigation	Lab Sampl Sample Ma		220104 Soil	7-002A			
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		me: 1/11/2 LIMB		1:50:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.80		mg/Kg	01/13/22	12:37	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV24-6-2: Santa Clara W8Y15300 01/10/22 / 8	Count	y ADL inve	estigation	Lab Sampl Sample Ma		220104 Soil	7-003A			
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		me: 1/11/2 LIMB		1:50:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	12.4		mg/Kg	01/13/22	12:39	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV24-18- Santa Clara W8Y15300 01/10/22 / 8	Count		estigation	Lab Sampl Sample Ma		220104 Soil	7-004A			



Report prepared for:	Tara Zuroweste Jacobs Associa	ites				Date/Time Received: 01/10/22, 3:15 pm Date Reported: 01/17/22					
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV24-18- Santa Clara W8Y15300 01/10/22 / 8		estigation	Lab Sample ID: 2201047-004A Sample Matrix: Soil							
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		ne: 1/11/2 LIMB		1:50:00F	РΜ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.80		mg/Kg	01/13/22	12:42	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV10-6-2 Santa Clara W8Y15300 01/10/22 / 1	a Count	y ADL inve	estigation	Lab Sampl Sample Ma		220104 Soil	ŀ7-005A			
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		ne: 1/11/2 LIMB		1:50:00F	РΜ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	12.7		mg/Kg	01/13/22	12:47	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV10-18- Santa Clara W8Y15300 01/10/22 / 1	a Count		estigation	Lab Sampl Sample Ma		220104 Soil	I7-006A			
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		ne: 1/11/2 LIMB		1:50:00F	РΜ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	10.5	•	mg/Kg	01/13/22	12:49	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV25-6-2 Santa Clara W8Y15300 01/10/22 / 9	a Count	y ADL inve	estigation	Lab Sampl Sample Ma		220104 Soil	I7-007A			



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			10/22, 3 rted: 01	
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV25-6-2: Santa Clara W8Y15300 01/10/22 / 9	Count	y ADL inve	estigation	Lab Sample Sample Ma		220104 Soil	7-007A			
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		me: 1/11/2 LIMB		1:50:00	РΜ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	13.1		mg/Kg	01/13/22	12:54	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV25-18- Santa Clara W8Y15300 01/10/22 / 9	Count		estigation	Lab Sample Sample Ma		220104 Soil	7-008A			
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		me: 1/11/2 LIMB		1:50:00	РΜ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.00		mg/Kg	01/13/22	12:56	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV13-6-2: Santa Clara W8Y15300 01/10/22 / 1	Count	y ADL inve	estigation	Lab Sample Sample Ma		220104 Soil	7-009A			
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		me: 1/11/2 LIMB,		1:50:00	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.65		mg/Kg	01/13/22	12:57	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV13-18- Santa Clara W8Y15300 01/10/22 / 1	a Count		estigation	Lab Sample Sample Ma		220104 Soil	7-010A			



	Tara Zuroweste Jacobs Associa	tes					Date/Time			10/22, 3 rted: 01	-
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV13-18-/ Santa Clara W8Y15300 01/10/22 / 1		estigation	-	Lab Sample ID: 2201047-010A Sample Matrix: Soil						
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		ne: 1/11/2 LIMB		1:50:00	РΜ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.15	•	mg/Kg	01/13/22	12:59	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV16-18-: Santa Clara W8Y15300 01/10/22 / 1	Count		estigation	Lab Sampl Sample Ma		220104 Soil	7-011A			
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		ne: 1/11/2 LIMB		1:50:00	РΜ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	12.6	•	mg/Kg	01/13/22	13:01	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV16-6-2: Santa Clara W8Y15300 01/10/22 / 1	Count	y ADL inve	estigation	Lab Sampl Sample Ma		220104 Soil	7-012A			
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		ne: 1/11/2 LIMB		1:50:00	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	11.5		mg/Kg	01/13/22	13:02	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV15-18-: Santa Clara W8Y15300 01/10/22 / 1	Count		estigation	Lab Sampl Sample Ma		220104 Soil	7-013A			



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			10/22, 3 rted: 01	-
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV15-18- Santa Clara W8Y15300 01/10/22 / 1		estigation	Lab Sample ID: 2201047-013A Sample Matrix: Soil							
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		ne: 1/11/2 LIMB		1:50:00F	РΜ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	37.3		mg/Kg	01/13/22	13:07	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV15-6-2 Santa Clara W8Y15300 01/10/22 / 1	Count	y ADL inve	estigation	Lab Sampl Sample Ma		220104 Soil	¥7-014A			
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		ne: 1/11/2 LIMB		1:50:00F	РΜ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	38.2		mg/Kg	01/13/22	13:09	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV9-6-22 Santa Clara W8Y15300 01/10/22 / 1	Count	y ADL inve	estigation	Lab Sampl Sample Ma		220104 Soil	I7-015A			
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analys		ne: 1/11/2 LIMB		1:50:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	15.3		mg/Kg	01/13/22	13:11	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV9-18-2 Santa Clara W8Y15300 01/10/22 / 1	a Count	y ADL inve	estigation	Lab Sampl Sample Ma		220104 Soil	I7-016A			



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			10/22, 3 rted: 0 ⁻	-
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV9-18-2 Santa Clara W8Y15300 01/10/22 / 1	y ADL inve	estigation	Lab Sample ID: 2201047-016A Sample Matrix: Soil							
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analy		ne: 1/11/2 LIMB		1:50:00	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	22.5		mg/Kg	01/13/22	13:12	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV11-6-2: Santa Clara W8Y15300 01/10/22 / 1	Count	y ADL inve	estigation	Lab Sampi Sample Ma		220104 Soil	I7-017A			
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analy		ne: 1/11/2 LIMB		1:50:00	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.60		mg/Kg	01/13/22	13:14	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV11-18- Santa Clara W8Y15300 01/10/22 / 1	Count	y ADL inve	estigation	Lab Sampi Sample Ma		220104 Soil	I7-018A			
Prep Method: 3050B Prep Batch ID: 1138342					Prep Batch Prep Analy		ne: 1/11/2 LIMB		1:50:00	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.85		mg/Kg	01/13/22	13:16	ERR	462781
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV12-6-2 Santa Clara W8Y15300 01/10/22 / 1	Count	y ADL inve	estigation	Lab Sampi Sample Ma		220104 Soil	I7-019A			



Report prepared for:	Tara Zuroweste Jacobs Associa	tes			Date/Time Received: 01/10/22, 3:15 Date Reported: 01/1						•
Client Sample ID:	RHV12-6-2	20110			Lab Samp	le ID:	220104	7-019A			
Project Name/Location:	Santa Clara	a Count	y ADL inve	estigation	Sample Ma	atrix:	Soil				
Project Number:	W8Y15300										
Date/Time Sampled:	01/10/22 / 1	0:55									
SDG:											
Prep Method: 3050B					Prep Batch	Date/Ti	me: 1/11/2	22	1:50:00	PM	
Prep Batch ID: 1138342					Prep Analy	st:	LIMB	AT			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.80		mg/Kg	01/13/22	13:17	ERR	462781
Client Sample ID:	RHV12-18-	220110			Lab Samp	le ID:	220104	7-020A			
Project Name/Location:	Santa Clara	a Count	y ADL inve	estigation	Sample Ma	atrix:	Soil				
Project Number:	W8Y15300										
Date/Time Sampled:	01/10/22 / 1	1:00									
SDG:											
Prep Method: 3050B					Prep Batch	Date/Ti	me: 1/11/2	22 ~	1:50:00	PM	
Prep Batch ID: 1138342					Prep Analy	st:	LIMB	AT			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.65	-	mg/Kg	01/13/22	13:19	ERR	462781



MB Summary Report

Work Order:	2201047	Prep I	Method:	3050B	Prep	Date:	01/11/22	Prep Batch:	1138342		
Matrix:	Soil	Analy		SW6010B	Anal	Analyzed Date:		Analyzed Date: 1/13/2022		Analytical	462781
Units:	mg/Kg	Metho	od:					Batch:			
				Method	Lab						
Parameters		MDL	PQL	Blank	Qualifier						
				Conc.							
Lead		0.10	3.00	ND							



LCS/LCSD Summary Report

Raw values are used in quality control assessment. Work Order: 2201047 **Prep Method:** 3050B Prep Date: 01/11/22 Prep Batch: 1138342 SW6010B 1/13/2022 Analytical Matrix: Soil Analytical Analyzed Date: 462781 Method: Batch: Units: mg/Kg Method Spike LCS % LCSD % LCS/LCSD % MDL PQL % RPD Parameters Blank Conc. Recovery Recovery % RPD Recovery Lab Conc. Limits Limits Qualifier 0.10 ND 80 - 120 30 Lead 3.00 50 99.1 97.0 2.24



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201047	I	Prep Metho	d: 3050B		Prep Date:	01/1	1/22	Prep Batch:	113834	2
Matrix:	Soil		Analytical	SW601	0B	Analyzed Date: 1/13		8/2022	Analytical	462781	
Spiked Sample:	2201047-006	۹ ا	Method:						Batch:		
Units:	mg/Kg										
Parameters		MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead		0.10	5.00	10.5	50	91.0	96.0	4.37	67.9 - 118	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.

Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.

Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)

Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.

Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)

Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.

Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero

Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.

Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates

Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis

Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.

Units: the unit of measure used to express the reported result - mg/L and mg/Kg (equivalent to PPM - parts per million in liquid and solid), ug/L and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), ug/M3, mg/m3, ppbv and ppmv (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), ug/Wipe (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS

B - Indicates when the analyte is found in the associated method or preparation blank

- D Surrogate is not recoverable due to the necessary dilution of the sample
- **E** Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
- H- Indicates that the recommended holding time for the analyte or compound has been exceeded

J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative NA - Not Analyzed

N/A - Not Applicable

ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.

NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added

R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts

S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative

X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards.

Further explanation may or may not be provided within the sample footnote and/or the case narrative.



Sample Receipt Checklist

Client Name: Jacobs Associates
Project Name: Santa Clara County ADL investigation
Work Order No.: 2201047

Date and Time Received: 1/10/2022 3:15:00PM Received By: Helena Ueng Physically Logged By: Helena Ueng Checklist Completed By: Helena Ueng Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

	Sample Receipt Information								
Custody seals intact on shipping container/coole	r? <u>Not Present</u>								
Shipping Container/Cooler In Good Condition?	Yes								
Samples in proper container/bottle?	Yes								
Samples containers intact?	Yes								
Sufficient sample volume for indicated test?	Yes								
Sample Preservation and Hold Time (HT) Information									

Sample Preservation and H		mation		
All samples received within holding time?	<u>Yes</u>			
Container/Temp Blank temperature in compliance?	<u>Yes</u>	Temperature:	5.0	°C
Water-VOA vials have zero headspace?	<u>No VOA vials sub</u>	mitted		
Water-pH acceptable upon receipt?	<u>N/A</u>			

pH Checked by: N/A

Comments:

Slight ID discrepancy for sample collected 1/10/22@13:35 -- ID=RHV16-8-220110 per CoC; ID=RHV16-18-220110 per jar label; ID logged in per sample jar.

pH Adjusted by: N/A



Login Summary Report

Client ID:	TL5282	Jacobs Associates	QC Level:	II
Project Name:	Santa Clara Co	unty ADL investigation	TAT Requested:	5+ day:5
Project # :	W8Y15300		Date Received:	1/10/2022
Report Due Date:	1/17/2022		Time Received:	3:15 pm

Comments:

Work Order # : 2201047

WO Sample ID	<u>Client</u> Sample ID		<u>ction</u> /Time	<u>Matrix</u>	<u>Scheduled</u> <u>Disposal</u>	<u>Test</u> <u>On Hold</u>	<u>Requested</u> <u>Tests</u>	<u>Subbed</u>
2201047-001A	RHV22-6-220110	01/10/22	9:30	Soil	07/09/22			
Sample Note:	6010-Lead; Hold sample	s for possible	TCI P				Met_S_As Pb	
2201047-002A	RHV22-18-220110	01/10/22		Soil	07/09/22			
							Met_S_As Pb	
2201047-003A	RHV24-6-220110	01/10/22	8:40	Soil	07/09/22		Met_S_As Pb	
2201047-004A	RHV24-18-220110	01/10/22	8:50	Soil	07/09/22			
2204047 0054		04/40/00	10.20	Cail	07/00/00		Met_S_As Pb	
2201047-005A	RHV10-6-220110	01/10/22	10:30	Soil	07/09/22		Met_S_As Pb	
2201047-006A	RHV10-18-220110	01/10/22	10:35	Soil	07/09/22			
2201047-007A	RHV25-6-220110	01/10/22	9.00	Soil	07/09/22		Met_S_As Pb	
							Met_S_As Pb	
2201047-008A	RHV25-18-220110	01/10/22	9:10	Soil	07/09/22			
2201047-009A	RHV13-6-220110	01/10/22	10:10	Soil	07/09/22		Met_S_As Pb	
0004047 0404		0.4.4.0.400	40.45	0.11	07/00/00		Met_S_As Pb	
2201047-010A	RHV13-18-220110	01/10/22	10:15	Soil	07/09/22		Met_S_As Pb	
2201047-011A	RHV16-18-220110	01/10/22	13:35	Soil	07/09/22			
2201047-012A	RHV16-6-220110	01/10/22	13.30	Soil	07/09/22		Met_S_As Pb	
2201047-0124	111110-0-220110	01/10/22	10.00	001	01/03/22		Met_S_As Pb	
2201047-013A	RHV15-18-220110	01/10/22	13:20	Soil	07/09/22			
2201047-014A	RHV15-6-220110	01/10/22	13:10	Soil	07/09/22		Met_S_As Pb	
							Met_S_As Pb	
2201047-015A	RHV9-6-220110	01/10/22	12:45	Soil	07/09/22		Met_S_As Pb	
2201047-016A	RHV9-18-220110	01/10/22	12:50	Soil	07/09/22			
2201047 0174		01/10/00	11.00	Sail	07/00/22		Met_S_As Pb	
2201047-017A	RHV11-6-220110	01/10/22	11.20	Soil	07/09/22		Met_S_As Pb	
2201047-018A	RHV11-18-220110	01/10/22	11:25	Soil	07/09/22			
2201047-019A	RHV12-6-220110	01/10/22	10.55	Soil	07/09/22		Met_S_As Pb	
				20			Met_S_As Pb	
2201047-020A	RHV12-18-220110	01/10/22	11:00	Soil	07/09/22		Met_S_As Pb	

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ABS Sinclair Frontage Road Milpitas, CA 95035 Phone: 408.263.5258 FAX: 408.263.5263 PO #: Company Name: Dace DS Fax: 408.263.2578 Fa															
				Env.	Special	Projec	:t #: W	184	153	00		PC) #:		
Company Name: Jacobs Engine Address: 155 Grand AVE +	800				1990	Projec	t Name	: San	ita CI	ara (iount	TH C	SL j	nvest	cipition
City: Oakland	State: CA		Zip Code:	94612		Comm						2			9.0.
Telephone: 510-457-6027	Cell:	۵ ۲۰۰۰ - ۲۰۰۰			a sala a	SAMP	LER	theri	ne Av	ina T	tohn.	Tourn	te #:		a de la companya de la
REPORT TO: Tara Zelro Weste	BILL TO: Jac	obs	>			EMAIL	Tar	1-21	101	Jeste	030	uob	5.00	m	
TURNAROUND TIME:	SAMPLE TYP	E:		PORT FORMAT:											
10 Work Days 4 Work Days 1 Work Day 7 Work Days 3 Work Days Noon - Nxt D 5 Work Days 2 Work Days 2 - 8 Hours	ay Indoor Air Ambient Air Soil/Gas Va			Level II - Std. Excel - EDD EDF StdEDD QC Level III QC Level IV	initial Vac. ("Hg)	Final Vac. ("Hg)	Controller #	15	TO 15 SIM	17	bater				NALYSIS EQUESTED
LAB ID CLIENT'S DATE / TIME SAMPLE I.D. SAMPLED		# OF CONT	CONT TYPE	CANISTER I.D.	Initia	Fina	Flow	TO1	TO	TO 17	A			R	EMARKS
-1001A 20022-6-220110 1.10.22 9:30	soil	١	gL								~			Hokif	for TCLP analysiz
102A RHV22-18-220110 1.10.22 SOLV 1 GL															
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1004A RHN24-18-22020 1.10.22 8:50	5011	ι.	g2								\checkmark				
005A PHNIO-6-220110 1-10.22 10:30	5001	١	52								~				
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107A RHU25-6-220110 1-10-22 9:00	5001	١	gi								~				
108A RHV25-18-220110 1.16.22 9:16	soil	1	GL								\checkmark				
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DON RHN 13-18-200110 1-10-22 10:15	Soil	1	SL								V		-	12.3	
Relinquished By: Print: Date: Time: Received By: Print: Date: Time: 2 Relinquished By: Print: Date: Time: Received By: Print: Date: Time:															
Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment Yes Sample seals intact? Yes NO Yes NO Method of Shipment Yes Yes NO Yes Yes NO Yes Yes															



Company Name: Jaccobs Enormetering Image: Ima	ABORATORY, INC. 483 Sinclair Frontage Road Milpitas, CA 95035 Phone: 408.263.5258 FAX: 408.263.8293 www.torrentlab.com CHAIN OF CUSTODY • NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY• LAB WORK ORDER NO 220/047																	
Address: JSS Grand Ave. # 800 City: Oakland State: Project Name: Santz. Clara County ADL investigation City: Oakland State: Project Name: Santz. Clara County ADL investigation City: Oakland State: Project Name: Santz. Clara County ADL investigation City: Oakland State: Project Name: Santz. Clara County ADL investigation Telephone: GL - 457:0027 Cell: SamPLE Type: SamPLE Type: Comments: TURNAROUND TIME: Indoor Air Indoor Air Excel: EDD; State: Frequentilication 10 Work Days 14 Work Days Non - Nkt Day Indoor Air Excel: EDD; GH Tip: Frequentilication 10 Work Days 2 Work Days 2 - 8 Hours SamPlet Differ Cont Cont GH Tip: Frequentilication Frequentilication 10 Work Days 2 Work Days 2 - 8 Hours Indoor Air Excel: EDD; GH Frequentilication Frequentilication Frequentilication Frequentilication Frequentilication Frequentilication	1 Ye.		PO #:)	00	153	184	ct #: []	Proje	Special	Env.		IAD.COITI				
City: Oak and State (A) Zip Code: Quit (A) Comments: Telephone: GL = VST + 0027 Cell: SAMPLER: Atherine Aning / Ast Quote #: Toul nee REPORT TO: Taxon Zurol State BILL TO: Sample TYPE: EMAIL: Taxon - Zurol Stee (C) Sample TYPE: 10 Work Days 4 Work Days 1 Work Day Indoor Air Excel - EDD Image: Ambient Air Image: Ambient Air<	00	investigatio	i iga .	untio	7.57.4	1000			V						+ AND	: Aup	155 (Address
Content or of the colspan="2">Cell: SAMPLER: Kotherine Anina / #or Outer#: Torume Telephone: Glo - ST - 002 7 Cell: REPORT TO: Taxa 2urolistate Bill To: Sacobs TURNAROUND TIME: SAMPLE TYPE: REPORT FORMAT: 10 Work Days 14 Work Days 1 Work Day Indoor Air Indoor Air Indoor Air Image: Colspan="2">###################################	<u></u>	Theoregene	211001	VALID	a cov	INIC	TICA C	200				941012	Zip Code			d The		
REPORT TO: Taxon Zurologicate BILL TO: Jacobs EMAIL: Taxon Zurologicate © Jacobs.com TURNAROUND TIME: SAMPLE TYPE: Bill TO: Jacobs Bill TO: Jacobs Annal YSIS 10 Work Days 4 Work Days 1 Work Day Indoor Air Bill TO: Jacobs Bill TO: Jacobs Annal YSIS 7 Work Days 3 Work Days Noon - Nxt Day Indoor Air Bill TO: Jacobs Bill TO: Jacobs Bill TO: Jacobs Annal YSIS Soil/Gas Vapor Other Occ Level III Occ Level III Bill TO: Jacobs Bill TO: Jacobs Annal YSIS LAB ID CLIENT'S DATE / TIME MATRIX # OF CONT TYPE I.D. III III III III III III IIII IIII IIII IIII IIIII IIIII IIIII IIIIII IIIIIIIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		Mulu	Quote #: Tr	1 5-0	inc 1	(Duà	nino	10110	PLER:	SAMF		1.102.1.24				1.4627		
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LAB ID SAMPLE I.D. SAMPLED MATRIX #OF CONT TYPE I.D. I I I I REMARKS OILA RAVIE-8-220100 1-15-22 561 1 G1 I				q	total	17	IS SIM	15	Controller		Vac.	Level II - Std. Excel - EDD EDF		or Air ient Air Gas Vapor	ay Indoo xt Day Soil/G	ays 🔲 Noon - Nxt I	ork Days 🔲 4 Work Da rk Days 🔲 3 Work Da	□ 10 W
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	1			_	V								gr	λ	Soil	13:30	RHV14-6-280110	7012A
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MYA RHV15-6-220110 1-18:22 13:10 Sort 1 Sc				/	~								SL	١	Soul		RHV15-6-220110	DIGA
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-019A RHUIH-18-226110 1.10122 11:25 50[1 1 5]				-	~								SL	١	Soil	1.10122	RHU11-18-220110	-018A
191 RHV12-16-22010 1-10-22 SOLI 1 SL		2 A		/	\sim								SL	1	SOCI	1.10.22	RHV12-6-220110	high
020A RHV12-18-220110 1-10-22 11:00 Soil 1 SL		V		(\vee								SL	l	Soil	1.10.22	RHV12-18-220110	-020A
Reinquished By: Print: Date: Time: Received By: Hellholl Date: Time: 1 Kottube Katherine Avina 1.10.22 15.15 Avina Hellholl 1/10/22 Time: 2 Received By: Print: Date: Time: Received By: Print: Date: Time:	r	- 151	1/10/22		y	all	len	He	1	n	-0	5:15	15	.10.22	Avina 1	Katherine k	HUL	1 Kol
Were Samples Received in Good Condition? Ores NO Samples on Ice? Ores NO Method of Shipment Sample seals intact? Yes NO NO NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Temp C Pageof Rev	NOTE: S																	



Jacobs Associates 465 California St, Suite 1000 San Francisco, California 94104 Tel: 408 398 7889

RE: Santa Clara County ADL Investigation

Work Order No.: 2201069

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 20 sample(s) on January 11, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

January 18, 2022 Date

Patti L Sandrock QA Officer



Client: Jacobs Associates Project: Santa Clara County ADL Investigation Work Order: 2201069

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.



Sample Result Summary

Report prepared for:	Tara Zuroweste Jacobs Associates					Received: 0 Reported: 0	
RHV26-18-220111					Dute	-	01069-001
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.50	mg/Kg
RHV26-6-220111						220	01069-002
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	11.3	mg/Kg
RHV19-6-220111						220	01069-003
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.15	mg/Kg
RHV19-18-220111						220	01069-004
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.45	mg/Kg
RHV18-6-220111						220	01069-005
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	6.05	mg/Kg
RHV18-18-220111						220	01069-006
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	18.3	mg/Kg
RHV27-6-220111						220	01069-007
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	13.3	mg/Kg
RHV27-18-220111						220	01069-008
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.95	mg/Kg
RHV31-6-220111						220	01069-009
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	14.8	mg/Kg
RHV31-18-220111						220	01069-010
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.70	mg/Kg

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Sample Result Summary

Report prepared for:	Tara Zuroweste Jacobs Associates					Received: (
RHV32-6-220111					Date	-	01069-011
Parameters:		<u>Analys</u> <u>Metho</u>		MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010	DB 1	0.12	3.0	4.79	mg/Kg
RHV32-18-220111						22	01069-012
Parameters:		<u>Analys</u> <u>Methor</u>		MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010	DB 1	0.12	3.0	7.20	mg/Kg
RHV30-6-220111						22	01069-013
Parameters:		<u>Analysi</u> <u>Metho</u>		<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010	DB 1	0.12	3.0	5.25	mg/Kg
RHV30-18-220111						22	01069-014
Parameters:		<u>Analys</u> Method	<u>is DF</u> d	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010)B 1	0.12	3.0	13.5	mg/Kg
RHV14-6-220111						22	01069-015
Parameters:		<u>Analys</u> Method		MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010)B 1	0.12	3.0	16.0	mg/Kg
RHV14-18-220111						22	01069-016
Parameters:		<u>Analys</u> <u>Method</u>		<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010)B 1	0.12	3.0	10.4	mg/Kg
RHV20-6-220111						22	01069-017
Parameters:		<u>Analys</u> Method		<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010	DB 1	0.12	3.0	15.5	mg/Kg
RHV20-18-220111						22	01069-018
Parameters:		<u>Analys</u> <u>Metho</u>		<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010)B 1	0.12	3.0	14.3	mg/Kg
RHV17-6-220111						22	01069-019
Parameters:		<u>Analys</u> <u>Methor</u>		<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010	DB 1	0.12	3.0	16.5	mg/Kg
RHV17-18-220111						22	01069-020
Parameters:		<u>Analys</u> <u>Metho</u>		<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010)B 1	0.12	3.0	9.95	mg/Kg

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Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			1/22, 4: rted: 01	-
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV26-18- Santa Clara W8Y15300 01/11/22 / 8	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-001A			
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 GUDO	5:30:00F	РΜ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.50		mg/Kg	01/14/22	16:45	ERR	462871



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			1/22, 4: • rted: 01	-
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV26-6-2 Santa Clara W8Y15300 01/11/22 / 8	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-002A			
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 6 GUDO	3:30:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	11.3		mg/Kg	01/14/22	16:46	ERR	462871



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			1/22, 4: rted: 01	-
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV19-6-2 Santa Clara W8Y15300 01/11/22 / 9	a Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-003A			
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 (GUDO	3:30:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.15		mg/Kg	01/14/22	16:48	ERR	462871



Report prepared for:	Tara Zuroweste Jacobs Associa	tes				Date/Time Received: 01/11/22, 4:00 pm Date Reported: 01/18/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV19-18- Santa Clara W8Y15300 01/11/22 / 9	a Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-004A				
Prep Method: 3050B Prep Batch ID: 1138407					•	Prep Batch Date/Time:1/13/22Prep Analyst:ERAGUDO			5:30:00F	РΜ		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	7.45		mg/Kg	01/14/22	16:53	ERR	462871	



Report prepared for:	Tara Zuroweste Jacobs Associa	ites				Date/Time Received: 01/11/22, 4:00 pm Date Reported: 01/18/22							
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV18-6-2 Santa Clara W8Y15300 01/11/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-005A					
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 GUDO	5:30:00	РМ			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	6.05		mg/Kg	01/14/22	16:55	ERR	462871		



Report prepared for:	Tara Zuroweste Jacobs Associa	tes				Date/Time Received: 01/11/22, 4:00 pm Date Reported: 01/18/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV18-18- Santa Clara W8Y15300 01/11/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-006A				
Prep Method: 3050B Prep Batch ID: 1138407					•	Prep Batch Date/Time:1/13/22Prep Analyst:ERAGUDO				PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	18.3		mg/Kg	01/14/22	17:00	ERR	462871	



Report prepared for:	Tara Zuroweste Jacobs Associa	tes				Date/Time Received: 01/11/22, 4:00 pm Date Reported: 01/18/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV27-6-2 Santa Clara W8Y15300 01/11/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-007A				
Prep Method: 3050B Prep Batch ID: 1138407					•	Prep Batch Date/Time:1/13/226:30:00PMPrep Analyst:ERAGUDO				PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	13.3		mg/Kg	01/14/22	17:01	ERR	462871	



Report prepared for:	Tara Zuroweste Jacobs Associa	tes				Date/Time Received: 01/11/22, 4:00 pm Date Reported: 01/18/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV27-18- Santa Clara W8Y15300 01/11/22 / 1	a Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-008A				
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 é GUDO	5:30:00F	РМ		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	7.95		mg/Kg	01/14/22	17:03	ERR	462871	



Report prepared for:	Tara Zuroweste Jacobs Associa	ites				Date/Time Received: 01/11/22, 4:00 pm Date Reported: 01/18/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV31-6-2 Santa Clara W8Y15300 01/11/22 / 1	a Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-009A				
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 GUDO	5:30:00F	РМ		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	14.8		mg/Kg	01/14/22	17:05	ERR	462871	



Report prepared for:	Tara Zuroweste Jacobs Associa	tes				Date/Time Received: 01/11/22, 4:00 pm Date Reported: 01/18/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV31-18- Santa Clara W8Y15300 01/11/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-010A				
Prep Method: 3050B Prep Batch ID: 1138407					•	Prep Batch Date/Time:1/13/22Prep Analyst:ERAGUDO			6:30:00	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	7.70	•	mg/Kg	01/14/22	17:06	ERR	462871	



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			1/22, 4: rted: 01	
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV32-6-2 Santa Clara W8Y15300 01/11/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-011A			
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 GUDO	5:30:00F	РΜ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	4.79		mg/Kg	01/14/22	17:10	ERR	462871



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time Received: 01/11/22, 4:00 pm Date Reported: 01/18/22					
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV32-18- Santa Clara W8Y15300 01/11/22 / 1	Count		estigation	Lab Sampl Sample Ma		220106 Soil	9-012A				
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 é GUDO	6:30:00	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	7.20	•	mg/Kg	01/14/22	17:11	ERR	462871	



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			1/22, 4: • rted: 01	-
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV30-6-2 Santa Clara W8Y15300 01/11/22 / 1	a Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-013A			
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 (GUDO	3:30:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	5.25		mg/Kg	01/14/22	17:13	ERR	462871



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time Received: 01/11/22, 4:00 pm Date Reported: 01/18/22					
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV30-18- Santa Clara W8Y15300 01/11/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-014A				
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 é GUDO	6:30:00	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	13.5		mg/Kg	01/14/22	17:15	ERR	462871	



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			1/22, 4: • rted: 01	-
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV14-6-2 Santa Clara W8Y15300 01/11/22 / 1	a Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-015A			
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 (GUDO	3:30:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	16.0	•	mg/Kg	01/14/22	17:19	ERR	462871



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			11/22, 4: orted: 01	•
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV14-18- Santa Clara W8Y15300 01/11/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-016A			
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 é GUDO	6:30:00	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	10.4		mg/Kg	01/14/22	17:21	ERR	462871



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			1/22, 4: rted: 01	-
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV20-6-2 Santa Clara W8Y15300 01/11/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-017A			
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 (GUDO	3:30:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	15.5		mg/Kg	01/14/22	17:23	ERR	462871



Report prepared for:	Tara Zuroweste Jacobs Associa	tes				Date/Time Received: 01/11/22, 4:00 pm Date Reported: 01/18/22					
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV20-18- Santa Clara W8Y15300 01/11/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-018A			
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 (GUDO	3:30:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	14.3		mg/Kg	01/14/22	17:24	ERR	462871



Report prepared for:	Tara Zuroweste Jacobs Associa	ites					Date/Time			1/22, 4: • rted: 01	•
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV17-6-2 Santa Clara W8Y15300 01/11/22 / 9	a Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-019A			
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 GUDO	5:30:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	16.5		mg/Kg	01/14/22	17:26	ERR	462871



Report prepared for:	Tara Zuroweste Jacobs Associa	ites					Date/Time Received: 01/11/22, 4:00 pm Date Reported: 01/18/22					
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV17-18- Santa Clara W8Y15300 01/11/22 / 9	a Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220106 Soil	9-020A				
Prep Method: 3050B Prep Batch ID: 1138407					Prep Batch Prep Analys			22 GUDO	5:30:00F	РМ		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	9.95		mg/Kg	01/14/22	17:28	ERR	462871	



MB Summary Report

Work Order:	2201069	Prep I	Method:	3050B	Prep	Date:	01/13/22	Prep Batch:	1138407
Matrix:	Soil	Analy		SW6010B	Anal	yzed Date:	1/14/2022	Analytical	462871
Units:	mg/Kg	Metho	od:					Batch:	
		1		Method	Lab				
Parameters		MDL	PQL	Blank	Qualifier				
				Conc.					
Lead		0.10	3.00	ND					



LCS/LCSD Summary Report

Raw values are used in quality control assessment. Work Order: 2201069 Prep Method: 3050B Prep Date: 01/13/22 Prep Batch: 1138407 SW6010B 1/14/2022 Analytical Matrix: Soil Analytical Analyzed Date: 462871 Method: Batch: Units: mg/Kg Method Spike LCS % LCSD % LCS/LCSD % MDL PQL % RPD Parameters Blank Conc. Recovery Recovery % RPD Recovery Lab Conc. Limits Limits Qualifier 0.10 ND 80 - 120 30 Lead 3.00 50 98.4 99.4 1.01



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201069	I	Prep Method:		3050B		Prep Date: 01/*		Prep Batch:	113840	7
Matrix:	Soil		Analytical	SW601	0B	Analyzed D	ate: 1/14	1/2022	Analytical	462871	
Spiked Sample:	2201069-003A	ι Α	Method:						Batch:		
Units:	mg/Kg										
Parameters		MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead		0.10	5.00	8.15	50	93.7	103	7.86	67.9 - 118	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.

Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.

Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)

Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.

Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)

Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.

Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero

Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.

Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates

Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis

Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.

Units: the unit of measure used to express the reported result - mg/L and mg/Kg (equivalent to PPM - parts per million in liquid and solid), ug/L and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), ug/M3, mg/m3, ppbv and ppmv (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), ug/Wipe (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS

B - Indicates when the analyte is found in the associated method or preparation blank

- D Surrogate is not recoverable due to the necessary dilution of the sample
- **E** Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
- H- Indicates that the recommended holding time for the analyte or compound has been exceeded

J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative NA - Not Analyzed

N/A - Not Applicable

ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.

NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added

R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts

S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative

X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards.

Further explanation may or may not be provided within the sample footnote and/or the case narrative.



Sample Receipt Checklist

Client Name: Jacobs Associates
Project Name: Santa Clara County ADL Investigation
Work Order No.: 2201069

Date and Time Received: <u>1/11/2022</u> <u>4:00:00PM</u> Received By: Kathie Evans Physically Logged By: Helena Ueng Checklist Completed By: Helena Ueng Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	<u>Yes</u>
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

	Sample Receip	t Information
Custody seals intact on shipping container/coole	∍r?	Not Present
Shipping Container/Cooler In Good Condition?		Yes
Samples in proper container/bottle?		Yes
Samples containers intact?		Yes
Sufficient sample volume for indicated test?		Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	<u>Yes</u>			
Container/Temp Blank temperature in compliance?	<u>Yes</u>	Temperature:	5.0	°C
Water-VOA vials have zero headspace?	<u>No VOA vials sub</u>	mitted		
Water-pH acceptable upon receipt?	<u>N/A</u>			
pH Checked by: N/A	pH Adjusted by: N	J/A		

Comments:



Login Summary Report

Client ID:	TL5282	Jacobs Associates	QC Level:	II
Project Name:	Santa Clara Cou	unty ADL Investigation	TAT Requested:	5+ day:5
Project # :	W8Y15300		Date Received:	1/11/2022
Report Due Date:	1/18/2022		Time Received:	4:00 pm

Comments:

Work Order # : 2201069

WO Sample ID	<u>Client</u> Sample ID	<u>Colle</u> Date/	<u>ction</u> Time	<u>Matrix</u>	<u>Scheduled</u> <u>Disposal</u>		<u>Test</u> <u>On Hold</u>	<u>Requested</u> <u>Tests</u>	<u>Subbed</u>
2201069-001A	RHV26-18-220111	01/11/22	8:55	Soil	07/10/22				
								Met_S_As Pb	
Sample Note:	6010-Lead; Hold sample	-		**Use samp	ole 2201069-00	03A for MS	/MSD**		
2201069-002A	RHV26-6-220111	01/11/22	8:50	Soil	07/10/22				
2201069-003A	RHV19-6-220111	01/11/22	0.15	Soil	07/10/22			Met_S_As Pb	
2201003-000/1	111110-0-220111	01/11/22	0.10	001	01/10/22			Met_S_As Pb	
Sample Note:	-003: RUN MS/MSD on t	this sample							
2201069-004A	RHV19-18-220111	01/11/22	9:25	Soil	07/10/22				
								Met_S_As Pb	
2201069-005A	RHV18-6-220111	01/11/22	10:10	Soil	07/10/22			Mat S. As Dh	
2201069-006A	RHV18-18-220111	01/11/22	10:15	Soil	07/10/22			Met_S_As Pb	
								Met_S_As Pb	
2201069-007A	RHV27-6-220111	01/11/22	13:20	Soil	07/10/22				
2201069-008A	RHV27-18-220111	01/11/22	12.25	Soil	07/10/22			Met_S_As Pb	
2201009-000A	111127-10-220111	01/11/22	10.20	001	07/10/22			Met S As Pb	
2201069-009A	RHV31-6-220111	01/11/22	14:30	Soil	07/10/22				
2201000 0101		04/44/00	44.05	Cail	07/40/00			Met_S_As Pb	
2201069-010A	RHV31-18-220111	01/11/22	14:35	Soil	07/10/22			Met_S_As Pb	
2201069-011A	RHV32-6-220111	01/11/22	13:40	Soil	07/10/22				
								Met_S_As Pb	
2201069-012A	RHV32-18-220111	01/11/22	13:50	Soil	07/10/22			Met_S_As Pb	
2201069-013A	RHV30-6-220111	01/11/22	14:10	Soil	07/10/22			Wet_O_AST D	
								Met_S_As Pb	
2201069-014A	RHV30-18-220111	01/11/22	14:20	Soil	07/10/22				
2201069-015A	RHV14-6-220111	01/11/22	13.00	Soil	07/10/22			Met_S_As Pb	
2201000 010/1		01/11/22	10.00	0011	01/10/22			Met_S_As Pb	
2201069-016A	RHV14-18-220111	01/11/22	13:05	Soil	07/10/22				
2201069-017A	RHV20-6-220111	01/11/22	10.15	Soil	07/10/22			Met_S_As Pb	
2201009-017A	KHV20-0-220111	01/11/22	10.45	3011	07/10/22			Met_S_As Pb	
2201069-018A	RHV20-18-220111	01/11/22	10:55	Soil	07/10/22				
0004000 0404		04/44/00	0.45	0	07/40/00			Met_S_As Pb	
2201069-019A	RHV17-6-220111	01/11/22	9:45	Soil	07/10/22			Met_S_As Pb	
2201069-020A	RHV17-18-220111	01/11/22	9:55	Soil	07/10/22				

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com



Login Summary Report

Client ID:	TL5282	Jacobs Associates		QC Level:		II	
Project Name:	Santa Clara Co	unty ADL Investigation		TAT Reques	ted:	5+ day:5	
Project # :	W8Y15300			Date Receiv	ed:	1/11/2022	
Report Due Date:	1/18/2022			Time Receiv	/ed:	4:00 pm	
Comments:							
Work Order # :	2201069						
WO Sample ID	<u>Client</u> Sample ID	<u>Collection</u> Date/Time	<u>Matrix</u>	<u>ample</u> <u>Test</u> n Hold On Hold	Test	uested <u>5</u> S_As Pb	<u>Subbed</u>



	ent	483 Sinclair Fro Ailpitas, CA 96 Phone: 408.263 FAX: 408.263.6 vww.torrentlab	5035 3.5258 3293	bad	• NOTE: SHA			OF					NLY •		ork order no
Company Name: Jaco			.0011		Env.	Special	Proje	ct #: (!	084	153	00		PO #:		
Address: 155 Gr	and Ave	#800								12.2		. Cou	inty AT	or in	lestig 9thish
City: Oakland	the second se	State: CP		Zip Code	94612		Comn								0
Telephone: S10-45	7-0027	Cell:					SAMF	PLER:	their	e Av	ina l	John	Tourne#		1 yr 1
REPORT TO: Tara Z	TuroWest	BILL TO:	Jacol	Zc									cobs. (c		
TURNAROUND TIME: 10 Work Days 4 Work D 7 Work Days 3 Work D 5 Work Days 2 Work D	lays 🛄 1 Work Day lays 🛄 Noon - Nxt D lays 🔲 2 - 8 Hours	SAMPLE T	YPE: ir Air Vapor		PORT FORMAT: Level II - Std. Excel - EDD EDF StdEDD QC Level III QC Level IV	Vac.	Final Vac. ("Hg)	Controller #		15 SIM	17	Ple			ANALYSIS REQUESTED
LAB ID CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial	Fina	Flow	TO 15	TO	TO	Total			REMARKS
-001A RHN26-18-220111	1.11.22 8.55	Soil	1	GL								\checkmark		Hold	for TZLP ranalysis
-1002A RHN26-10-220111	1.11.22 8:50	soil	1	gi								V			1
003A RHV19-6-220111	1.11.22 9:15	5021)	SL						-		5		No. 10	
RHV19-6-MS-	1-11-22 9:20	Soil	I	gi						1		V			
RHV19-6-MOD- 220111	1.11.22 9:20	50 (1	1	g.								~			
-004A RHV19-18-22011	1.11.22 9:25	soil	1	GL								V			
-005 ARHV18-6-220111	1-11-22	Soil	۱.	92	1					, A		2	1		
-006A KHV 18-18-22011	1-11-22	5011	I.	gz	24	Å.		Ţ,	6 N.			~			
+0074 RHV27-6-22011	1-11-22 13:20	Soil	-1	gr		h			14.24			~			
-008A RHV27-18-220111	1-11-22 13:25	Soil	1	GL			14v		1 .4.5		3	V			1
1 Relinquished By:	Print:	Date O		22 Tin	ne: 1600	K	ved By:	re	e	Print:	3	ere per	Date:	the second se	ime: 16:00
2 Relinquished By:	Print:	Date	9:	Tin	ne:	Receiv	ved By:			Print:			Date:	T	ime:
Were Samples Received in Go NOTE: Samples are discarded Log In By:	d by the laboratory 30		of receipt		r arrangements are			oment		D/E Temp	5		ample seals in	_	res NO N/A



		83 Sinclair Fro lilpitas, CA 99 hone: 408.263 AX: 408.263.8 ww.torrentlab	5035 3.5258 3293	bad	• NOTE: SHA			2 1 3 1 2 3 1 4			T LAB		NLY •	1	LAB WO	rk order no
Company Name:		incerin	5		🔲 Env. 🚺	Special	Projec	ct #: 🕠	1841	53	00		PO	#:		
Address: 155 Grand	Ave. #	800 -)			1 U.,						DLI	inve.	11:	satio	h
City: Oaklang?		State: C/-	f	Zip Code:	94612	L	Comn	nents:				and the second second		C)	
Telephone: 510 - 4!	57-00270	Cell:				, , ,	SAMF	LER:	athe	FIRE 1	trino	- + J	Quote	e#:	Ima	
REPORT TO: Tarra			acot) \$		i.							bs. 60			
TURNAROUND TIME:		SAMPLET		REF	PORT FORMAT:											
🔲 10 Work Days 🔲 4 Work Da	ays 🔲 1 Work Day	Indoor A	ir	in the second	Level II - Std. Excel - EDD	g)	0	# 1								NALYSIS
7 Work Days 3 Work Da	ays 🔲 Noon - Nxt Da	ay Ambient	Air Vapor		EDF StdEDD		³ H")	rolle	-			0			RE	QUESTED
5 Work Days 2 Work Da	ays 🔲 2 - 8 Hours	Other	vapor	and a second	QC Level III QC Level IV	Initial Vac.	Vac. ("Hg)	Controller	15	TO 15 SIM	4	A				
LAB ID CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initia	Final	Flow	TO 1	TO 1	TO 17	DTAL Db				EMARKS
009A RHN31-6-220111	1-11-22 121:30	Soil	١	IL								\checkmark			Hold f	analysis
010A RHUSI - 18-220111	1.11.22	soil	l	gL								\checkmark	-			0
OLLA RHN32-10-22011	1.11.22 13:40	Soil	١	gL								\sim				
012A RHV32-18-220111	1.11.22	5001	١	SL								V				
013A RHV30-0-220111	1.11.12	Soi(١	gL								-				
MULA RHV30-18-220111	1-11-22 14:20	Soil	1	91								2				
015A RHV14 40-220111	1.11.22 13:00	5011	l	gr	7 al 1 - 1							\vee			المتعامية	
016A RHVM-18-220111	1.11.22	Soil	1	gl								-				
017 RHV20-6-220111	1.11.22	SOEL	۱	GL.								~				
018A RHV20-18-22011	1-11.22	5001	١	q								~				4
Relinquished By:	Print:	Date O	e: - - (Tim	1600	Recei	ved By:	ne	4	Print:	3		Date:	- 23	z ji	ie: ; 00
2 Refinquished By:	Print:	Dat		Tim		Recei	ved By:	9.1		Print:			Date:		Tin	ie:
Were Samples Received in Go	T	Yes 🔲 NO	÷.	es on Ice?			d of Shij	oment		DD		S	ample sea	als inta	ct? 🔲 Yes	
NOTE: Samples are discarded	I by the laboratory/30 Date:		of receipt	unless other	arrangements ar Date:					(Temp	5	°C 7	+2	P	ageof	Rev. 1



		ent P	83 Sinclair Fro lilpitas, CA 99 hone: 408.263 AX: 408.263.8 ww.torrentlab	5035 3.5258 3293	bad	• NOTE: SHA					500 F 1			ONLY •		LAB WORK ORDER NO 2201069
Compan	y Name: Jaco 155 Grand Dakland e: 511 - 457	bs Enrine	eering			Env.	Special	Projec	ct #: 🔰	V8Y	153	06			0 #:	
Address:	155 Grand	Aur. #80	0					Projec	ct Name	e: 54	CRA	A	26.	Inu	crfic	-ct ion
City:	Darkland		State:	A	Zip Code	94612		Comn	nents:						0	
Telephon	e: 511 - 457	-0027 C	Cell:			- 1997 - Albert M. 1997 - 1992 - 2007 - 1997 - 1997 - 1997 - 1992 - 2007 - 1		SAMF	LER:	Lether	in A	Ving	+ 51	The Que	ote #:	2
REPORT	TO: Tara	Euroveste B	BILL TO: J.	acob.	s	-		EMAIL	Ta	ra	,20	rowes	tec	> Jac	obs.	Com
	OUND TIME:		SAMPLET		REF	PORT FORMAT:									×	
🔲 10 Wo	rk Days 🔲 4 Work Da	ays 🔲 1 Work Day	Indoor A			Level II - Std. Excel - EDD	(g)		r #				0			ANALYSIS
7 Work	Days 🔲 3 Work Da	ays 🔲 Noon - Nxt Da	ay Ambient			EDF StdEDD	H.,) :	³ H")	rolle				d d			REQUESTED
5 Work	Days 🔲 2 Work Da	ays 🔲 2 - 8 Hours	Other	vapor		QC Level III QC Level IV	Vac	Vac.	Cont		SIN		E.			
LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial Vac. ("Hg)	Final Vac. ("Hg)	Flow Controller	TO 15	TO 15 SIM	TO 17	1ota			REMARKS
dgA	RUV17-18-22011	9:45	soil	X	gi								~			Hold for TELP
-020A	RHV17-18-22011	9:55	Soil	l	91								-			1 V
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1	uished By:	Print: John To	Date Date	11 A A A A A A A A A A A A A A A A A A) Tim	160D	Receiv	ved By:	me		Print	100		Date:	1-20	Time:
2 Relind	uished By:	Print:	Date		Tim		Receiv	ved By:			Print:			Date:		Time:
Were Sar	nples Received in Go	ood Condition?	Yes 🔲 NO	Sample	es on Ice?	XDYes 🔲 NO	Metho	d of Ship	oment	D	6		S	Sample se	eals intac	ct? Yes NO NA
NOTE: S	amples are discarded	by the laboratory 30	days from date	of receipt	unless other	arrangements are	e made.		2	У	-0-	+		H.7.		
Log In By	/:	Date:	Labele	ed By:	States and	Date:	195.2				Temp _	5	_°C	#2	Pa	geof Rev. 1



Jacobs Associates 465 California St, Suite 1000 San Francisco, California 94104 Tel: 408 398 7889

RE: Santa Clara County ADL Investigation

Work Order No.: 2201085

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 24 sample(s) on January 12, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Patti L Sandrock QA Officer

January 19, 2022 Date



Date: 1/19/2022

Client: Jacobs Associates Project: Santa Clara County ADL Investigation Work Order: 2201085

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.



Sample Result Summary

Report prepared for:	Tara Zuroweste				Date	Received: ()1/12/22
	Jacobs Associates				Date	Reported: ()1/19/22
E16-36-6-220112						22	01085-001
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	17.5	mg/Kg
E16-36-18-220112						22	01085-002
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	27.3	mg/Kg
E16-33-6-220112						22	01085-003
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	5.60	mg/Kg
E16-33-18-220112						22	01085-004
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.89	mg/Kg
E16-32-6-220112						22	01085-005
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	9.05	mg/Kg
E16-32-18-220112						22	01085-006
Parameters:		<u>Analysis</u> <u>Method</u>	DF	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.60	mg/Kg
E16-34-6-220112						22	01085-007
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.30	mg/Kg
E16-34-18-220112						22	01085-008
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	9.60	mg/Kg
E16-35-6-220112						22	01085-009
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.05	mg/Kg



Sample Result Summary

Report prepared for:	Tara Zuroweste				Date	Received: ()1/12/22
	Jacobs Associates				Date	Reported: ()1/19/22
E16-35-18-220112						22	01085-010
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.75	mg/Kg
E16-31-6-220112						22	01085-011
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	6.50	mg/Kg
E16-31-18-220112						22	01085-012
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.05	mg/Kg
E16-30-6-220112						22	01085-013
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.30	mg/Kg
E16-30-18-220112						22	01085-014
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	4.01	mg/Kg
E16-22-6-220112						22	01085-015
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.70	mg/Kg
E16-22-18-220112						22	01085-016
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	4.68	mg/Kg
E16-24-6-220112						22	01085-017
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.10	mg/Kg
E16-24-18-220112						22	01085-018
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	4.55	mg/Kg



Sample Result Summary

Report prepared for:	Tara Zuroweste				Date	Received: 0	1/12/22
	Jacobs Associates				Date	Reported: 0	1/19/22
E16-18-6-220112						220	01085-019
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.60	mg/Kg
E16-18-18-220112						220	01085-020
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.49	mg/Kg
E16-25-6-220112						220	01085-021
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.05	mg/Kg
E16-25-18-220112						220	01085-022
Parameters:		<u>Analysis</u> <u>Method</u>	DF	<u>MDL</u>	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	4.62	mg/Kg
E16-23-6-220112						220	01085-023
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	6.65	mg/Kg
E16-23-18-220112						220	01085-024
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.31	mg/Kg



Report prepared for:	Tara Zuroweste Jacobs Associa					Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-36-6-2 Santa Clara W8Y15300 01/12/22 / 8	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220108 Soil	5-001A				
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 8 GUDO	3:45:00F	РM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	17.5		mg/Kg	01/19/22	12:04	ERR	462895	



Report prepared for:	Tara Zuroweste Jacobs Associa		Date/Time Received: 01/12/22, 3:20 pm Des Date Reported: 01/19/22								
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-36-18- Santa Clara W8Y15300 01/12/22 / 8	a Count		estigation	Lab Sample Sample Ma		220108 Soil	5-002A			
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 8 GUDO	8:45:00	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	27.3		mg/Kg	01/19/22	12:12	ERR	462895



Report prepared for:	Tara Zuroweste Jacobs Associa					Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-33-6-2 Santa Clara W8Y15300 01/12/22 / 9	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220108 Soil	5-003A				
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 E GUDO	3:45:001	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	5.60		mg/Kg	01/19/22	12:14	ERR	462895	



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-33-18- Santa Clara W8Y15300 01/12/22 / 9	a Count		estigation	Lab Sample Sample Ma		220108 Soil	5-004A					
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 8 GUDO	3:45:00F	PM			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	3.89		mg/Kg	01/19/22	12:16	ERR	462895		



Report prepared for:	Tara Zuroweste Jacobs Associa	ites				Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-32-6-2 Santa Clara W8Y15300 01/12/22 / 9	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220108 Soil	5-005A				
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 E GUDO	3:45:00F	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	9.05		mg/Kg	01/19/22	12:17	ERR	462895	



Report prepared for:	Tara Zuroweste Jacobs Associa					Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-32-18- Santa Clara W8Y15300 01/12/22 / 9	a Count		estigation	Lab Sample Sample Ma		220108 Soil	5-006A				
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 E GUDO	3:45:00F	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	3.60		mg/Kg	01/19/22	12:19	ERR	462895	



Report prepared for:	Tara Zuroweste Jacobs Associa					Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-34-6-2 Santa Clara W8Y15300 01/12/22 / 7	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220108 Soil	5-007A				
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 8 GUDO	3:45:001	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	8.30		mg/Kg	01/19/22	12:21	ERR	462895	



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-34-18- Santa Clara W8Y15300 01/12/22 / 7	a Count		estigation	Lab Sample Sample Ma		220108 Soil	5-008A					
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 8 GUDO	3:45:001	PM			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	9.60		mg/Kg	01/19/22	12:24	ERR	462895		



Report prepared for:	Tara Zuroweste Jacobs Associa					Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-35-6-2 Santa Clara W8Y15300 01/12/22 / 2	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220108 Soil	5-009A				
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys		me: 1/14/2 ERAC		3:45:00	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	7.05		mg/Kg	01/19/22	12:25	ERR	462895	



Report prepared for:	Tara Zuroweste Jacobs Associa	tes				Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-35-18- Santa Clara W8Y15300 01/12/22 / 1	a Count		estigation	Lab Sample Sample Ma		220108 Soil	5-010A				
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 a GUDO	3:45:00	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	3.75		mg/Kg	01/19/22	12:30	ERR	462895	



Report prepared for:	Tara Zuroweste Jacobs Associa	ites				Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-31-6-2 Santa Clara W8Y15300 01/12/22 / 9	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220108 Soil	5-011A				
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 8 GUDO	3:45:001	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	6.50	•	mg/Kg	01/19/22	12:32	ERR	462895	



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-31-18- Santa Clara W8Y15300 01/12/22 / 2	a Count		estigation	Lab Sample Sample Ma		220108 Soil	5-012A					
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys		me: 1/14/2 ERAC		3:45:00F	РM			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	7.05		mg/Kg	01/19/22	12:34	ERR	462895		



Report prepared for:	Tara Zuroweste Jacobs Associa	ites				Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-30-6-2 Santa Clara W8Y15300 01/12/22 / *	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220108 Soil	5-013A				
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 8 GUDO	3:45:00F	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	8.30		mg/Kg	01/19/22	12:35	ERR	462895	



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-30-18- Santa Clara W8Y15300 01/12/22 / 7	a Count		estigation	Lab Sample Sample Ma		220108 Soil	5-014A					
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 8 GUDO	3:45:00	PM			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	4.01		mg/Kg	01/19/22	12:37	ERR	462895		



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-22-6-2 Santa Clara W8Y15300 01/12/22 / *	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220108 Soil	5-015A					
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 E GUDO	3:45:001	PM			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	7.70	•	mg/Kg	01/19/22	12:39	ERR	462895		



Report prepared for:	Tara Zuroweste Jacobs Associa					Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-22-18- Santa Clara W8Y15300 01/12/22 / *	a Count		estigation	Lab Sampl Sample Ma		220108 Soil	5-016A				
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 8 GUDO	8:45:00	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	4.68	•	mg/Kg	01/19/22	12:40	ERR	462895	



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-24-6-2 Santa Clara W8Y15300 01/12/22 / *	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220108 Soil	5-017A					
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 8 GUDO	3:45:001	PM			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	7.10		mg/Kg	01/19/22	12:42	ERR	462895		



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-24-18- Santa Clara W8Y15300 01/12/22 / *	a Count		estigation	Lab Sample Sample Ma		220108 Soil	5-018A					
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 8 GUDO	8:45:00	PM			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	4.55		mg/Kg	01/19/22	12:45	ERR	462895		



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-18-6-2 Santa Clara W8Y15300 01/12/22 / 7	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220108 Soil	5-019A					
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 8 GUDO	3:45:001	PM			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	7.60		mg/Kg	01/19/22	12:50	ERR	462895		



Report prepared for:	Tara Zuroweste Jacobs Associa	ites				Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-18-18- Santa Clara W8Y15300 01/12/22 / 1	a Count		estigation	Lab Sample Sample Ma		220108 Soil	5-020A				
Prep Method: 3050B Prep Batch ID: 1138499					Prep Batch Prep Analys			22 8 GUDO	3:45:00F	РM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	3.49		mg/Kg	01/19/22	12:52	ERR	462895	



Report prepared for:	Tara Zuroweste Jacobs Associa					Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-25-6-2 Santa Clara W8Y15300 01/12/22 / *	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220108 Soil	5-021A				
Prep Method: 3050B Prep Batch ID: 1138488					Prep Batch Prep Analys			22 8 GUDO	3:45:00F	РМ		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	8.05		mg/Kg	01/19/22	13:45	ERR	462891	



Report prepared for:	Tara Zuroweste Jacobs Associa	ites				Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-25-18- Santa Clara W8Y15300 01/12/22 / *	a Count		estigation	Lab Sample Sample Ma		220108 Soil	5-022A				
Prep Method: 3050B Prep Batch ID: 1138488					Prep Batch Prep Analys			22 8 GUDO	3:45:00F	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	4.62		mg/Kg	01/19/22	13:50	ERR	462891	



Report prepared for:	Tara Zuroweste Jacobs Associa					Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-23-6-2 Santa Clara W8Y15300 01/12/22 / *	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220108 Soil	5-023A				
Prep Method: 3050B Prep Batch ID: 1138488					Prep Batch Prep Analys			22 8 GUDO	3:45:00F	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	6.65		mg/Kg	01/19/22	13:52	ERR	462891	



Report prepared for:	Tara Zuroweste Jacobs Associa				Date/Time Received: 01/12/22, 3:20 pm Date Reported: 01/19/22							
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-23-18- Santa Clara W8Y15300 01/12/22 / *	a Count		estigation	Lab Sample Sample Ma		220108 Soil	5-024A				
Prep Method: 3050B Prep Batch ID: 1138488					Prep Batch Prep Analys			22 8 GUDO	3:45:001	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	3.31	•	mg/Kg	01/19/22	13:54	ERR	462891	



MB Summary Report

Work Order:	2201085	Prep I	Method:	3050B	Prep	Date:	01/14/22	Prep Batch:	1138488
Matrix:	Soil		Analytical		Ana	yzed Date:	1/19/2022	Analytical	462891
Units:	mg/Kg	Metho	od:					Batch:	
Parameters		MDL	PQL	Method Blank Conc.	Lab Qualifier				
Lead		0.10	3.00	ND					
Work Order:	2201085	Prep I	Method:	3050B	Prep Date:		01/14/22	Prep Batch:	1138499
Matrix:	Soil	Analy		SW6010B	SW6010B Analyzed E		1/19/2022	Analytical	462895
Units:	mg/Kg	Metho	od:					Batch:	
Parameters		MDL	PQL	Method Blank Conc.	Lab Qualifier				
Lead		0.10	3.00	0.23	•				



LCS/LCSD Summary Report

						unnary	Raw value	es are used in	quality contro	ol assessment.		
Work Order:	2201085		Prep Meth	od: 3050	В	Prep Da	te:	01/14/22	Prep Batch: 1138488			
Matrix:	Soil		Analytical	SW6	SW6010B Analyzed Date: 1/1		1/19/2022	Analytic	al 462	2891		
Units:	mg/Kg		Method:						Batch:			
Parameters		MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier	
Lead		0.10	3.00	ND	50	103	104	0.966	80 - 120	30		
Work Order:	2201085		Prep Meth	od: 3050	В	Prep Da	te:	01/14/22	22 Prep Batch: 1138499			
Matrix:	Soil		Analytical	SW6	6010B	Analyze	d Date:	1/19/2022	Analytical 462895			
Units:	mg/Kg		Method:						Batch:			
Parameters		MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier	
Lead		0.10	3.00	0.23	50	104	103	0.966	80 - 120	30		



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201085	I	Prep Metho	d: 3050B		Prep Date:	01/1	4/22	Prep Batch:	: 113849	9
Matrix:	Soil		Analytical	SW601	SW6010B		ate: 1/19	/2022	Analytical	462895	i
Spiked Sample:	2201085-001A	A I	Method:						Batch:		
Units:	mg/Kg										
Parameters		MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	I	0.10	5.00	17.5	50	92.0	95.0	2.33	67.9 - 118	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.

Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.

Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)

Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.

Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)

Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.

Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero

Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.

Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates

Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis

Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.

Units: the unit of measure used to express the reported result - **mg/L** and **mg/Kg** (equivalent to PPM - parts per million in **liquid** and **solid**), **ug/L** and **ug/Kg** (equivalent to PPB - parts per billion in **liquid** and **solid**), **ug/m3**, **mg/m3**, **ppbv** and **ppmv** (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS

B - Indicates when the analyte is found in the associated method or preparation blank

D - Surrogate is not recoverable due to the necessary dilution of the sample

E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.

H- Indicates that the recommended holding time for the analyte or compound has been exceeded

J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative

NA - Not Analyzed

N/A - Not Applicable

ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.

NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added

R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts

S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative

X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.



Sample Receipt Checklist

Client Name: Jacobs Associates
Project Name: Santa Clara County ADL Investigation
Work Order No.: 2201085

Date and Time Received: <u>1/12/2022</u> <u>3:20:00PM</u> Received By: Helena Ueng Physically Logged By: Helena Ueng Checklist Completed By: Helena Ueng Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	<u>Yes</u>
Chain of custody agrees with sample labels?	<u>Yes</u>
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	<u>Yes</u>
Samples in proper container/bottle?	<u>Yes</u>
Samples containers intact?	<u>Yes</u>
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes							
Container/Temp Blank temperature in compliance?	<u>Yes</u>	Temperature:	4.0	°C				
Water-VOA vials have zero headspace?	No VOA vials submitted							
Water-pH acceptable upon receipt?	<u>N/A</u>							
pH Checked by: N/A	pH Adjusted by: N	N/A						

Comments:



Login Summary Report

Client ID:	TL5282	Jacobs Associates	QC Level:	II
Project Name:	Santa Clara Co	unty ADL Investigation	TAT Requested:	5+ day:5
Project # :	W8Y15300		Date Received:	1/12/2022
Report Due Date:	1/19/2022		Time Received:	3:20 pm

- Comments:
- Work Order # : 2201085

<u>WO Sample ID</u>	<u>Client</u> Sample ID	Collection Date/Time	<u>Matrix</u>	<u>Scheduled</u> <u>Disposal</u>	<u>Sample</u> <u>On Hold</u>	<u>Test</u> <u>On Hold</u>	<u>Requested</u> <u>Tests</u>	<u>Subbed</u>
2201085-001A	E16-36-6-220112	01/12/22 8:45	Soil	07/11/22			Mat S. As Dh	
Sample Note:	6010-Lead **Use sample	e 2201085-001A for I	MS/MSD**				Met_S_As Pb	
2201085-002A	E16-36-18-220112	01/12/22 8:55	Soil	07/11/22				
2201085-003A	E16-33-6-220112	01/12/22 9:05	Soil	07/11/22			Met_S_As Pb	
2201085-004A	E16-33-18-220112	01/12/22 9:10	Soil	07/11/22			Met_S_As Pb	
2201085-005A	E16-32-6-220112	01/12/22 9:30	Soil	07/11/22			Met_S_As Pb	
							Met_S_As Pb	
2201085-006A	E16-32-18-220112	01/12/22 9:40	Soil	07/11/22			Met_S_As Pb	
2201085-007A	E16-34-6-220112	01/12/22 10:45	Soil	07/11/22			Met_S_As Pb	
2201085-008A	E16-34-18-220112	01/12/22 10:50	Soil	07/11/22			 Met_S_As Pb	
2201085-009A	E16-35-6-220112	01/12/22 11:00	Soil	07/11/22				
2201085-010A	E16-35-18-220112	01/12/22 11:10	Soil	07/11/22			Met_S_As Pb	
2201085-011A	E16-31-6-220112	01/12/22 9:55	Soil	07/11/22			Met_S_As Pb	
2201085-012A	E16-31-18-220112	01/12/22 10:00	Soil	07/11/22			Met_S_As Pb	
							Met_S_As Pb	
2201085-013A	E16-30-6-220112	01/12/22 10:15	Soil	07/11/22			Met_S_As Pb	
2201085-014A	E16-30-18-220112	01/12/22 10:25	Soil	07/11/22			Met_S_As Pb	
2201085-015A	E16-22-6-220112	01/12/22 12:50	Soil	07/11/22				
2201085-016A	E16-22-18-220112	01/12/22 12:55	Soil	07/11/22			Met_S_As Pb	
2201085-017A	E16-24-6-220112	01/12/22 13:25	Soil	07/11/22			Met_S_As Pb	
2201085-018A	E16-24-18-220112	01/12/22 13:30	Soil	07/11/22			Met_S_As Pb	
2201000 010/1		51,12,22 10.00	001	01111122			Met_S_As Pb	

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com



2201085

Work Order # :

Login Summary Report

Client ID:	TL5282	Jacobs Asso	ciates	QC Level:	II
Project Name:	Santa Clara Co	unty ADL Inves	stigation	TAT Requested:	5+ day:5
Project # :	W8Y15300			Date Received:	1/12/2022
Report Due Date:	1/19/2022			Time Received:	3:20 pm
Comments:					

WO Sample ID <u>Client</u> **Collection** <u>Matrix</u> Scheduled Sample Test **Requested** Sample ID Date/Time Disposal On Hold On Hold <u>Tests</u> 2201085-019A E16-18-6-220112 01/12/22 13:50 Soil 07/11/22 Met_S_As Pb 01/12/22 14:00 2201085-020A E16-18-18-220112 Soil 07/11/22 Met_S_As Pb 2201085-021A E16-25-6-220112 01/12/22 13:05 Soil 07/11/22 Met_S_As Pb 2201085-022A E16-25-18-220112 01/12/22 13:10 Soil 07/11/22 Met_S_As Pb 01/12/22 12:35 07/11/22 2201085-023A E16-23-6-220112 Soil Met_S_As Pb 2201085-024A E16-23-18-220112 01/12/22 12:40 Soil 07/11/22 Met_S_As Pb

Subbed



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🗹 5 Work Days 🔲 2 Work Da	ays 🔲 2 - 8 Hours	Other	rupor	and a	QC Level IV	l Vac.	Vac.	Cont	10	S SIN	L	Total			
LAB ID CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	CANISTER I.D.	Initial	Final	Flow Controller	TO 15	TO 15 SIM	TO 17	101			REMARKS
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	483 Sinclair Fronta Milpitas, CA 9503 Phone: 408.263.52 FAX: 408.263.8293 www.torrentlab.cor	5 258 3	• NOTE: SHA								ONLY •	50	har as	ORK ORDER NO
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AB ID CLIENT'S DATE / TIME SAMPLE I.D. SAMPLED	MAIRIX	# OF CONT ONT TYPE	CANISTER I.D.	Initial	Fina	Flow	TO 15	TO1	TO 17	F		•	R	EMARKS
009A E16-35-6-220112 1-12-22 11:00	3011	1 cyc								\sim				analysis
DIOA E16-35-18-22018 1.12.22	Soll	1 gl								V				
SILA EI16-3+6-220112 1.12.22	Soil	1 of								\checkmark				
0124 510-5-5-220112 1.12.22	soil	1 gl								\checkmark				
013A E16-30-6-220112 1.12.22	soil	1 gl								\checkmark				
14 E16-30-18-220112 1.12.22	Soil) ge								\checkmark				
10:25 ISA E16-22-6-220112 1:12:22 12:50	Soil	1 ge								V		- -		
10A E16-22-18-220112 1-12-22 12:55	Soil	r gl								V				
)17A =14-24-6-220112 1-12-22 13:25	5021	1 gl						L		\checkmark				
ISA E16-22-18-220112 1-12-22 12:50 101 (DA E16-22-18-220112 1-12-22 12:55 1017A E16-24-18-220112 1-12-22 13:25 108A E16-24-18-220112 1-12-22 13:30	Soil	1 gl							-	\checkmark				Y
Relinguished By: Print:	Avina 1.72-22		ime: 3:W	Receiv	ved By:		4-	Print:	Ĺm	bal	Date:	2-22		ne: 320
Relinquished By: Print:	Date:		ime:	Receiv	yed By:			Print:			Date:		Tir	ne:
Vere Samples Received in Good Condition?		Samples on Ice? eceipt unless oth) Metho e made.		oment	1	D/D	11		ample sea F 2	als intac	ct? 🔲 Ye	s 🔲 NO 🏹 N/A



Torrent	483 Sinclair Frontag Milpitas, CA 95035 Phone: 408.263.525 FAX: 408.263.8293 www.torrentlab.com	8	• NO	C						ODY		C. A. BURN	B WORK ORDER NO
Company Name: Jacobs E	moneering			🔲 Env. 🔲	Special	Projec	t #: _	184	153	50	P	C #:	
Address: 155 Grand Ave)									- Com	ATU AT	1 Investiguition
city: Oakland	State: CA	Zip C	Code:	1612		Comm	ents: \\	Sle	Coma	resta	1X"		o mongar
Telephone: 510-457-0027	Cell:	-									Quot	e #:	
REPORT TO: TAVA ZWOWEST	BILL TO: JOAC	005								1	and the second sec	icobs.	com
TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work Day 7 Work Days 3 Work Days Noon - Nxt 5 Work Days 2 Work Days 2 - 8 Hours	y SAMPLE TYPE: y Storm Water Day Ground Water	Air Wipe Other	Level	- EDD StdEDD evel III	DEN PD								ANALYSIS REQUESTED
LAB ID	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	F								REMARKS
E16-18-6-220112	1.12.22 13:50	Soil	١	of	\checkmark							t.	with for TELP
120A E16-18-18-220112	1.12.22	Soil	1	ar	V								
021A EIL-25-6220112	13:05	501)	I	qi	V								
0224 E16-25-18-220112	13:10	5011	1	of	V						<i>b.</i>		
)25A Elle-23-10-220112	12:35	Soil	١	ox	\checkmark								
024A E16-23-18-220112	1.22.12 12:40	5021	l	chr	\checkmark								1
					1.43								
1 Relinquished By: Print: 1 Land A Kotherine	Aving 1.12.22		Time:	20	Receiv (ed By:	<u> </u>	4.	Print:	Inl	Date:	-12-22	Time:
Relinquished By: Print: 2	Date:		Time:		Receiv	ed By:			Print:		Date:		Time:
Were Samples Received in Good Condition? NOTE: Samples are discarded by the laboratory Log In By: Date:			- T				ment	Ţ		+ °c	Sample se	eals intact?	Yes NO N/A



Jacobs Associates 465 California St, Suite 1000 San Francisco, California 94104 Tel: 408 398 7889

RE: Santa Clara County ADL Investigation

Work Order No.: 2201104 Rev: 1

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 20 sample(s) on January 13, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Patti L Sandrock QA Officer

January 20, 2022 Date



Date: 1/20/2022

Client: Jacobs Associates Project: Santa Clara County ADL Investigation Work Order: 2201104

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

REVISIONS

Report revised to report data to the MDL for the sample that was ND at the PQL.

Rev. 1 (2/8/22)



Sample Result Summary

Report prepared for:	Tara Zuroweste				Date	Received: ()1/13/22
	Jacobs Associates				Date	Reported: ()1/20/22
E16-29-6-220113						22	01104-001
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	9.55	mg/Kg
E16-29-18-220113						22	01104-002
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.20	mg/Kg
E16-26-6-220113						22	01104-003
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.40	mg/Kg
E16-26-18-220113						22	01104-004
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.31	mg/Kg
E16-16-6-220113						22	01104-005
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	5.10	mg/Kg
E16-16-18-220113						22	01104-006
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.60	mg/Kg
E16-21-6-220113						22	01104-007
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.95	mg/Kg
E16-21-18-220113						22	01104-008
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.55	mg/Kg
E16-13-6-220113						22	01104-009
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	5.05	mg/Kg



Sample Result Summary

Report prepared for:	Tara Zuroweste				Date	Received: ()1/13/22
	Jacobs Associates				Date	Reported: (
E16-13-18-220113						22	01104-010
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.63	mg/Kg
E16-15-6-220113						22	01104-011
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	26.1	mg/Kg
E16-15-18-220113						22	01104-012
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.05	mg/Kg
E16-12-6-220113						22	01104-013
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	9.05	mg/Kg
E16-12-18-220113						22	01104-014
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.60	mg/Kg
E16-14-6-220113						22	01104-015
Parameters:		<u>Analysis</u> <u>Method</u>	DF	<u>MDL</u>	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	13.9	mg/Kg
E16-14-18-220113						22	01104-016
Parameters:		<u>Analysis</u> <u>Method</u>	DF	<u>MDL</u>	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	2.49	mg/Kg
E16-28-6-220113						22	01104-017
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	5.90	mg/Kg
E16-28-18-220113						22	01104-018
Parameters:		<u>Analysis</u> <u>Method</u>	DF	<u>MDL</u>	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.31	mg/Kg



Sample Result Summary

Report prepared for:	Tara Zuroweste				Date	Received: 0	1/13/22
	Jacobs Associates				Date	Reported: 0	1/20/22
E16-27-6-220113						22	01104-019
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	6.55	mg/Kg
E16-27-18-220113						22	01104-020
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	5.90	mg/Kg



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Tim	e Receive Date		3/22, 3 rted: 0 ⁻	•
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-29-6-2 Santa Clara W8Y15300 01/13/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220110 Soil)4-001A			
Prep Method: 3050B Prep Batch ID: 1138513					Prep Batch Prep Analys			22 GUDO	3:00:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.55		mg/Kg	01/20/22	12:48	ERR	462935
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-29-18-/ Santa Clara W8Y15300 01/13/22 / 1	Count		estigation	Lab Sampl Sample Ma		22011(Soil	04-002A			
Prep Method: 3050B Prep Batch ID: 1138513					Prep Batch Prep Analys			22 GUDO	3:00:00F	PM	
· · · · · · · · · · · · · · · · · · ·	Analysis Method	DF	MDL	PQL	•					PM By	Analytical Batch
Prep Batch ID: 1138513		DF	MDL 0.12	PQL 3.0	Prep Analys	st:	ERA	GUDO	Time		
Prep Batch ID: 1138513 Parameters:	Method	1 20113 Count	0.12	3.0	Prep Analys Results	e ID:	ERA Units mg/Kg	GUDO Analyzed	Time	Ву	Batch
Prep Batch ID: 1138513 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled:	Method SW6010B E16-26-6-2 Santa Clara W8Y15300	1 20113 Count	0.12	3.0	Prep Analys Results 3.20 Lab Sampl	e ID: atrix: Date/Ti	ERA Units mg/Kg 220110 Soil me: 1/19/	GUDO Analyzed 01/20/22 04-003A	Time	By ERR	Batch
Prep Batch ID: 1138513 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG: Prep Method: 3050B	Method SW6010B E16-26-6-2 Santa Clara W8Y15300	1 20113 Count	0.12	3.0	Prep Analys Results 3.20 Lab Sampl Sample Ma	e ID: atrix: Date/Ti	ERA Units mg/Kg 220110 Soil me: 1/19/	GUDO Analyzed 01/20/22 04-003A	Time 12:53 3:00:00F	By ERR	Batch



Report prepared for:	Tara Zuroweste Jacobs Associat	tes					Date/Tim	e Receive Date		3/22, 3 rted: 0 ⁻	•
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-26-18-2 Santa Clara W8Y15300 01/13/22 / 1 ⁻	Count		estigation	Lab Sampl Sample Ma		22011(Soil	04-004A			
Prep Method: 3050B Prep Batch ID: 1138513					Prep Batch Prep Analys			/22 GUDO	3:00:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.31		mg/Kg	01/20/22	12:56	ERR	462935
Client Sample ID: Project Name/Location: Project Number:	E16-16-6-22 Santa Clara W8Y15300	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		22011(Soil	04-005A			
Date/Time Sampled: SDG:	01/13/22 / 10	0:00									
-	01/13/22 / 10	0:00			Prep Batch Prep Analys			/22 GUDO	3:00:00F	PM	
SDG: Prep Method: 3050B	01/13/22 / 10 Analysis Method	0:00	MDL	PQL	•					⊃M By	Analytical Batch
SDG: Prep Method: 3050B Prep Batch ID: 1138513	Analysis		MDL 0.12	PQL 3.0	Prep Analy	st:	ERA	GUDO	Time		-
SDG: Prep Method: 3050B Prep Batch ID: 1138513 Parameters:	Analysis Method	DF 1 220113 Count	0.12	3.0	Prep Analys Results	e ID:	ERA Units mg/Kg	GUDO	Time	Ву	Batch
SDG: Prep Method: 3050B Prep Batch ID: 1138513 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled:	Analysis Method SW6010B E16-16-18-2 Santa Clara W8Y15300	DF 1 220113 Count	0.12	3.0	Prep Analys Results 5.10 Lab Sampl	st: Q de ID: atrix: Date/Ti	ERA Units mg/Kg 220110 Soil me: 1/19/	GUDO Analyzed 01/20/22 04-006A	Time	By ERR	Batch
SDG: Prep Method: 3050B Prep Batch ID: 1138513 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG: Prep Method: 3050B	Analysis Method SW6010B E16-16-18-2 Santa Clara W8Y15300	DF 1 220113 Count	0.12	3.0	Prep Analys Results 5.10 Lab Sampl Sample Ma	st: Q de ID: atrix: Date/Ti	ERA Units mg/Kg 220110 Soil me: 1/19/	GUDO Analyzed 01/20/22 04-006A	Time 12:58 3:00:00F	By ERR	Batch



Report prepared for:	Tara Zuroweste Jacobs Associate	es					Date/Tim	e Receive Date		3/22, 3 rted: 0 ⁻	•
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-21-6-220 Santa Clara (W8Y15300 01/13/22 / 10	County	y ADL Inve	estigation	Lab Sampl Sample Ma		22011(Soil	04-007A			
Prep Method: 3050B Prep Batch ID: 1138513					Prep Batch Prep Analys			22 GUDO	3:00:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.95		mg/Kg	01/20/22	13:04	ERR	462935
Client Sample ID: Project Name/Location: Project Number:	E16-21-18-22 Santa Clara (W8Y15300	County	y ADL Inve	estigation	Lab Sampl Sample Ma		22011(Soil	04-008A			
Date/Time Sampled: SDG:	01/13/22 / 10	:30									
	01/13/22 / 10):30			Prep Batch Prep Analys			22 GUDO	3:00:00F	PM	
SDG: Prep Method: 3050B	01/13/22 / 10	DF	MDL	PQL	•					PM By	Analytical Batch
SDG: Prep Method: 3050B Prep Batch ID: 1138513	Analysis		MDL 0.12	PQL 3.0	Prep Analys	st:	ERA		Time		-
SDG: Prep Method: 3050B Prep Batch ID: 1138513 Parameters:	Analysis Method	DF 1 0113 County	0.12	3.0	Prep Analys Results	e ID:	ERA Units mg/Kg	GUDO	Time	Ву	Batch
SDG: Prep Method: 3050B Prep Batch ID: 1138513 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled:	Analysis Method SW6010B E16-13-6-220 Santa Clara (W8Y15300	DF 1 0113 County	0.12	3.0	Prep Analys Results 3.55 Lab Sampl	st: Q de ID: atrix: Date/Ti	ERA Units mg/Kg 220110 Soil me: 1/19/	GUDO Analyzed 01/20/22 04-009A	Time	By ERR	Batch
SDG: Prep Method: 3050B Prep Batch ID: 1138513 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG: Prep Method: 3050B	Analysis Method SW6010B E16-13-6-220 Santa Clara (W8Y15300	DF 1 0113 County	0.12	3.0	Prep Analys Results 3.55 Lab Sampl Sample Ma	st: Q de ID: atrix: Date/Ti	ERA Units mg/Kg 220110 Soil me: 1/19/	GUDO Analyzed 01/20/22 04-009A	Time 13:06	By ERR	Batch



Report prepared for:	Tara Zuroweste Jacobs Associat	tes					Date/Tim	e Receive Date		3/22, 3 rted: 0 ⁻	
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-13-18-2 Santa Clara W8Y15300 01/13/22 / 9	Count		estigation	Lab Sampl Sample Ma		22011(Soil	04-010A			
Prep Method: 3050B Prep Batch ID: 1138513					Prep Batch Prep Analy			/22 GUDO	3:00:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.63		mg/Kg	01/20/22	13:09	ERR	462935
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled:	E16-15-6-22 Santa Clara W8Y15300 01/13/22 / 8	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		22011(Soil	04-011A			
SDG:		.10									
					Prep Batch Prep Analy			/22 GUDO	3:00:00F	PM	
SDG: Prep Method: 3050B	Analysis Method	DF	MDL	PQL	•				1	PM By	Analytical Batch
SDG: Prep Method: 3050B Prep Batch ID: 1138513	Analysis		MDL 0.12	PQL 3.0	Prep Analy	st:	ERA	GUDO	Time		-
SDG: Prep Method: 3050B Prep Batch ID: 1138513 Parameters:	Analysis Method	DF 1 220113 Count	0.12	3.0	Prep Analy Results	st: Q le ID:	ERA Units mg/Kg	GUDO Analyzed	Time	Ву	Batch
SDG: Prep Method: 3050B Prep Batch ID: 1138513 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled:	Analysis Method SW6010B E16-15-18-2 Santa Clara W8Y15300	DF 1 220113 Count	0.12	3.0	Prep Analy Results 26.1 Lab Samp	st: Q le ID: atrix: Date/Ti	ERA Units mg/Kg 220110 Soil me: 1/19/	GUDO Analyzed 01/20/22 04-012A	Time	By ERR	Batch
SDG: Prep Method: 3050B Prep Batch ID: 1138513 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG: Prep Method: 3050B	Analysis Method SW6010B E16-15-18-2 Santa Clara W8Y15300	DF 1 220113 Count	0.12	3.0	Prep Analy Results 26.1 Lab Sampl Sample Ma	st: Q le ID: atrix: Date/Ti	ERA Units mg/Kg 220110 Soil me: 1/19/	GUDO Analyzed 01/20/22 04-012A	Time 13:11 3:00:00F	By ERR	Batch



Report prepared for:	Tara Zuroweste Jacobs Associate	es					Date/Tim	e Receive Date		3/22, 3 rted: 0 ⁻	•
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-12-6-220 Santa Clara (W8Y15300 01/13/22 / 8:4	County	y ADL Inve	estigation	Lab Sampl Sample Ma		220110 Soil	04-013A			
Prep Method: 3050B Prep Batch ID: 1138513					Prep Batch Prep Analy			/22 GUDO	3:00:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.05		mg/Kg	01/20/22	13:14	ERR	462935
Client Sample ID: Project Name/Location: Project Number:	E16-12-18-22 Santa Clara (W8Y15300		y ADL Inve	estigation	Lab Sampl Sample Ma		220110 Soil	04-014A			
Date/Time Sampled: SDG:	01/13/22 / 8:4	45									
Date/Time Sampled:		45			Prep Batch Prep Analy			/22 GUDO	3:00:00F	PM	
Date/Time Sampled: SDG: Prep Method: 3050B		45 DF	MDL	PQL	•					PM By	Analytical Batch
Date/Time Sampled: SDG: Prep Method: 3050B Prep Batch ID: 1138513	01/13/22 / 8:4		MDL 0.12	PQL 3.0	Prep Analy	st:	ERA	GUDO	Time		-
Date/Time Sampled: SDG: Prep Method: 3050B Prep Batch ID: 1138513 Parameters:	01/13/22 / 8:4	DF 1 0113 County	0.12	3.0	Prep Analy Results	e ID:	ERA Units mg/Kg	GUDO Analyzed	Time	Ву	Batch
Date/Time Sampled: SDG: Prep Method: 3050B Prep Batch ID: 1138513 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled:	01/13/22 / 8:4 Analysis Method SW6010B E16-14-6-220 Santa Clara C W8Y15300	DF 1 0113 County	0.12	3.0	Prep Analy Results 7.60 Lab Samp	st: Q de ID: atrix: Date/Ti	ERA Units mg/Kg 220110 Soil me: 1/19/	GUDO Analyzed 01/20/22 04-015A	Time	By ERR	Batch
Date/Time Sampled: SDG: Prep Method: 3050B Prep Batch ID: 1138513 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG: Prep Method: 3050B	01/13/22 / 8:4 Analysis Method SW6010B E16-14-6-220 Santa Clara C W8Y15300	DF 1 0113 County	0.12	3.0	Prep Analy Results 7.60 Lab Sampl Sample Ma	st: Q de ID: atrix: Date/Ti	ERA Units mg/Kg 220110 Soil me: 1/19/	GUDO Analyzed 01/20/22 04-015A	Time 13:16 3:00:00F	By ERR	Batch



Report prepared for:	Tara Zuroweste Jacobs Associa	tes				Lab Sample ID: 2201104-016A					-
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-14-18- Santa Clara W8Y15300 01/13/22 / 1	Count		estigation	Lab Sampl Sample Ma		220110 Soil	4-016A			
Prep Method: 3050B Prep Batch ID: 1138513					Prep Batch Prep Analys			22 SUDO	3:00:00	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
The results shown below a Lead	re reported usin SW6010B	g thei 1	r MDL. 0.12	3.0	2.49	J	mg/Kg	01/20/22	13:22	ERR	462935
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-28-6-2 Santa Clara W8Y15300 01/13/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220110 Soil	4-017A			
Prep Method: 3050B Prep Batch ID: 1138513					Prep Batch Prep Analys			22 3 GUDO	3:00:00	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	5.90		mg/Kg	01/20/22	13:24	ERR	462935
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E16-28-18- Santa Clara W8Y15300 01/13/22 / 1	Count		estigation	Lab Sampl Sample Ma		220110 Soil	4-018A			
Prep Method: 3050B Prep Batch ID: 1138513					Prep Batch Prep Analys			22 SUDO	3:00:00	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.31		mg/Kg	01/20/22	13:26	ERR	462935



Report prepared for:	Tara Zuroweste Jacobs Associ						Date/Time			13/22, 3 rted: 0 ⁻		
Client Sample ID:	E16-27-6-2				Lab Samp			4-019A				
Project Name/Location:	Santa Clar		y ADL Inv	estigation	Sample M	atrix:	Soil					
Project Number:	W8Y15300 01/13/22 /	-										
Date/Time Sampled: SDG:	01/13/22/											
Prep Method: 3050B					Prep Batch Date/Time: 1/19/22 3:00:00PM							
Prep Batch ID: 1138513					Prep Analy	st:	ERAG	GUDO				
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	6.55		mg/Kg	01/20/22	13:27	ERR	462935	
Client Sample ID:	E16-27-18	-220113	}		Lab Samp	le ID:	220110	4-020A				
Project Name/Location:	Santa Clar	a Count	y ADL Inv	estigation	Sample M	atrix:	Soil					
Project Number:	W8Y15300)										
Date/Time Sampled:	01/13/22 /	11:50										
SDG:												
Prep Method: 3050B					Prep Batch	Date/Ti	me: 1/19/2	22 3	3:00:00	PM		
Prep Batch ID: 1138513					Prep Analy			GUDO				
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	5.90		mg/Kg	01/20/22	13:29	ERR	462935	



MB Summary Report

Work Order:	2201104	Prep I	Method:	3050B	Prep	Date:	01/19/22	Prep Batch:	1138513
Matrix:	Soil	Analytical Method:		SW6010B	Analyzed Date:		1/20/2022	Analytical Batch:	462935
Units:	mg/Kg								
				Madaad	1 - 1-				
Parameters		MDL	PQL	Method Blank	Lab Qualifier				
				Conc.					
Lead		0.10	3.00	ND					

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LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201104		Prep Meth	od: 3050	3050B Prep Date: 01/19/22 SW6010B Analyzed Date: 1/20/2022		01/19/22	Prep Bat	ch: 113	1138513	
Matrix:	Soil		Analytical	SW6			Analyzed Date:		Analytic	al 462	2935
Units:	mg/Kg		Method:						Batch:		
Parameters		MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead		0.10	3.00	ND	50	102	102	0.000	80 - 120	30	

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MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201104	I	Prep Metho	d: 3050B		Prep Date:	01/1	9/22	Prep Batch	: 113851	3
Matrix:	Soil		Analytical	SW601	SW6010B		ate: 1/20	/2022	Analytical	462935	i
Spiked Sample:	2201104-001A	\ I	Method:						Batch:		
Units:	mg/Kg										
Parameters		MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead	I	0.10	5.00	9.55	50	87.9	87.9	0.000	67.9 - 118	30	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.

Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.

Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)

Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.

Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)

Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.

Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero

Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.

Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates

Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis

Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.

Units: the unit of measure used to express the reported result - **mg/L** and **mg/Kg** (equivalent to PPM - parts per million in **liquid** and **solid**), **ug/L** and **ug/Kg** (equivalent to PPB - parts per billion in **liquid** and **solid**), **ug/m3**, **mg/m3**, **ppbv** and **ppmv** (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS

B - Indicates when the analyte is found in the associated method or preparation blank

D - Surrogate is not recoverable due to the necessary dilution of the sample

E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E gualifier should be considered as estimated.

H- Indicates that the recommended holding time for the analyte or compound has been exceeded

J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative

NA - Not Analyzed

N/A - Not Applicable

ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.

NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added

R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts

S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative

X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.



Sample Receipt Checklist

Client Name: Jacobs Associates								
Project Name: Santa Clara County ADL Investigation								
Work Order No.: 2201104								

Date and Time Received: <u>1/13/2022</u> <u>3:10:00PM</u> Received By: Lorna Imbat Physically Logged By: Helena Ueng Checklist Completed By: Helena Ueng Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	<u>Yes</u>
Chain of custody agrees with sample labels?	<u>Yes</u>
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	<u>Yes</u>
Samples in proper container/bottle?	<u>Yes</u>
Samples containers intact?	<u>Yes</u>
Sufficient sample volume for indicated test?	<u>Yes</u>

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	<u>Yes</u>			
Container/Temp Blank temperature in compliance?	<u>Yes</u>	Temperature:	5.0	°C
Water-VOA vials have zero headspace?	<u>No VOA vials sub</u>	mitted		
Water-pH acceptable upon receipt?	<u>N/A</u>			
pH Checked by: N/A	pH Adjusted by: 1	N/A		

Comments:



Login Summary Report

Client ID:	TL5282	Jacobs Associates	QC Level:	II
Project Name:	Santa Clara Co	unty ADL Investigation	TAT Requested:	5+ day:5
Project # :	W8Y15300		Date Received:	1/13/2022
Report Due Date:	1/20/2022		Time Received:	3:10 pm

- Comments:
- Work Order # : 2201104

WO Sample ID	<u>Client</u> Sample ID	<u>Collec</u> Date/T		<u>Matrix</u>	<u>Scheduled</u> <u>Disposal</u>	 <u>Test</u> <u>On Hold</u>	<u>Requested</u> <u>Tests</u>	<u>Subbed</u>
2201104-001A	E16-29-6-220113	01/13/22	10:50	Soil	07/12/22			
Sample Note:	6010-Lead **Use sample	2201104-001/	۵ for Ms	S/MSD**			Met_S_As Pb	
2201104-002A	E16-29-18-220113	01/13/22		Soil	07/12/22			
2201104-003A	E16-26-6-220113	01/13/22	11.10	Soil	07/12/22		Met_S_As Pb	
2201104-0037	L10-20-0-220110	01/10/22	11.10	001	01/12/22		Met_S_As Pb	
2201104-004A	E16-26-18-220113	01/13/22	11:15	Soil	07/12/22		Mot S. As Dh	
2201104-005A	E16-16-6-220113	01/13/22	10:00	Soil	07/12/22		Met_S_As Pb	
2201104-006A	E16-16-18-220113	01/13/22	10.10	Soil	07/12/22		Met_S_As Pb	
2201104-000/	E10-10-10-220110	01/10/22	10.10	CON	01/12/22		Met_S_As Pb	
2201104-007A	E16-21-6-220113	01/13/22	10:20	Soil	07/12/22		Met_S_As Pb	
2201104-008A	E16-21-18-220113	01/13/22	10:30	Soil	07/12/22			
2201104-009A	E16-13-6-220113	01/13/22	9:10	Soil	07/12/22		Met_S_As Pb	
0004404 0404					07/40/00		Met_S_As Pb	
2201104-010A	E16-13-18-220113	01/13/22	9:15	Soil	07/12/22		Met_S_As Pb	
2201104-011A	E16-15-6-220113	01/13/22	8:15	Soil	07/12/22			
2201104-012A	E16-15-18-220113	01/13/22	8:20	Soil	07/12/22		Met_S_As Pb	
0004404 0404	F40 40 0 000440	04/40/00	0.40	0	07/40/00		Met_S_As Pb	
2201104-013A	E16-12-6-220113	01/13/22	8:40	Soil	07/12/22		Met_S_As Pb	
2201104-014A	E16-12-18-220113	01/13/22	8:45	Soil	07/12/22			
2201104-015A	E16-14-6-220113	01/13/22	12:30	Soil	07/12/22		Met_S_As Pb	
2201101 0101	F40 44 40 000440	04/42/22	10.05	Call	07/40/00		Met_S_As Pb	
2201104-016A	E16-14-18-220113	01/13/22	12:35	Soil	07/12/22		Met_S_As Pb	
2201104-017A	E16-28-6-220113	01/13/22	11:30	Soil	07/12/22			
2201104-018A	E16-28-18-220113	01/13/22	11:35	Soil	07/12/22		Met_S_As Pb	
							Met_S_As Pb	

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Login Summary Report

Client ID:	TL5282	Jacobs Associates			QC Level:	II
Project Name:	Santa Clara Cou	nty ADL Investigation			TAT Requested:	5+ day:5
Project # :	W8Y15300				Date Received:	1/13/2022
Report Due Date:	1/20/2022				Time Received:	3:10 pm
Comments:						
Work Order # :	2201104					
WO Sample ID	<u>Client</u> Sample ID	<u>Collection</u> Date/Time	<u>Matrix</u>	<u>Scheduled</u> Sam Disposal On H		<u>uested</u> ts
2201104-019A	E16-27-6-22011	3 01/13/22 11:45	Soil	07/12/22		
2201104-020A	E16-27-18-2201	01/13/22 11:50	Soil	07/12/22		_S_As Pb

 2201104-021A
 E16-dup3
 01/13/22
 11:00
 Soil
 07/12/22

 Hold Samples

Subbed



То	rrent	483 Sinclair Fronta Milpitas, CA 95035 Phone: 408.263.52 FAX: 408.263.8293 www.torrentlab.com	58	• N(C DTE: SHA			OF ARE F					ONLY •		AB WORK (2011)	1
Company Name:	Jacobs En	ain perina	C		Env.	Special	Projec	:t #:W	841	530	00		PC	D #:	i sali y	
Address: 155	Grand Ave	. #800 -							~	ACCOUNT OF A DESIGNATION OF A DESIGNATIONO OF A DESIGNATIONO OF A DESIGNATIONO OF A DESIGNATIONO OF A DESIGN	and the second se	al	Minty	+ AD	- 'nves	Nertion
City: Oaklar		State: CA	Zip	Code: 0	4612		Comm	ients: 1	1 Piece	se s	te re	mar	KSK	XX'		
	-457-0627	Cell:		· · · · · · · ·			SAMP	ler: γ	Avi	nal	1.7	onim	e Quote	e #:		n ng T
REPORT TO: TONY	a Zuroweste	BILL TO: JACO	DS				EMAIL	: Tow	a.F	Zuro	West	a	cicon	S.Cor	\sim	a. Maria
7 Work Days	E: 4 Work Days I 1 Work Da 3 Work Days Noon - Nxt 2 Work Days 2 - 8 Hours	y SAMPLE TYPE	Air Air Wipe	Level	- EDD D StdEDD evel III	(LYSIS ESTED
LAB ID	CLIENT'S SAMPLE I.L	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total									REMA	RKS
-00 IA	E16-29-6-220113 >	10:50	Soci	١	q	\checkmark		×	NOTE		w M (01/		9	+	the a	MUSS
002A-021A	E16-29-105-22011	1.13.22	5011	1	ar	V									1	U
s) 	1516-29-10-MSD- 220113-	1.13.22	soil	1	ql	V										
-003A-002A	E16-29-18-220113	1.13.22	901)	١	- Yl	V										
- 004A-003A	E16-26-6-220113	1.13.22	soil	1	Q	V										
-005/A-004A	E16-26-18-220113	1.13.22	50i1	j.	Gl	V										
-006A-005A	E16-16-6-220113	1-13-22	5611	1	GL	V			-							
tog 7A - 10/0A	E16-16-18-220113	1.13.22	5011	1	St	V										
\$081 -007A	E16-21-10-220113	1-13-22	Sorl	Ĩ	Ge	~										
10097-008A	E16-21-18-220113	1.13.22	1302	T_{ii}	Cf.	4									V	
1 Relinquished By:		Date:	-2022	Time:	\$10	Receiv	ed By:	-	٢-	Print:- D	Ìm	lat	Date:	3-27	Time:	0
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	ved in Good Condition?			T	Sec. 1	are made		ment	D	6 emp	5	s t		als intact? Page	Yes []	NO 🏠 N/ _ Rev.



	rrent	83 Sinclair Frontag Milpitas, CA 95035 Phone: 408.263.52 FAX: 408.263.8293 www.torrentlab.com	58	• N						T LAB US	SE ONLY •	LAB WOI 220	RK ORDER NO
Company Name:	Jacobs Engi	natina	C]	Env.	Special	Project #	: WBL	1153	00	PO #		
Address: 155	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						Project N	V		222	unty AD	L investion	witin
City: Oakla		State: CA	Zip	Code: 0	4612						ares box'		prior.
		Cell: CA		5 - 19 - 19						J. Toulr			
REPORT TO:		BILL TO: Jaco	bs				EMAIL:	tara.	20101	Vestera	Jacobs	.com	
TURNAROUND TIM	Ē	SAMPLE TYPE	:		FORMAT:								
10 Work Days	4 Work Days 🔲 1 Work Day	Storm Water	🔲 Air	Excel		Pb				,			NALYSIS
7 Work Days	3 Work Days 🔲 Noon - Nxt D	Day Waste Water	Wipe	EDF	StdEDD	E						RE	QUESTED
Work Days	2 Work Days 2 - 8 Hours	Soil D Pro				12							
LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	Total						RE	MARKS
500 010/x -009A	E16-13-6-220113	1-13-22 9:10	Soci	١	CK.	\checkmark						Hobi f	analysis
-011/A -010A	F16-13-18-220113	1.1322) 10C	1	of	V							J
-017A -011A	E16-15-6-220113	1.13.22 815	Soil	1	Ge	V							
-0/3A-012A	E16-15-10-220113	113.22 8:20	Soil	1	of	V							
-D14A-013A	E16-12-6-220113	1-13.22 8:40	soil	1	of	V							
-015A -014A	E16-12-18-220113	1.13.22 8:45	soil	ſ	ojl	V							
-1016A-015A	E16-14-6-220113	1-13-22 12:30	Soil	(Czl	V							
f017A-016A	1216-14-18-220113	1.13.22 12:35	Soil	I	of	~							The Art
H018A-017A	1214-28-6-220113	1-13-22	soil	(Sl	V							
L-019/A-018/A	E16-28-18-220113	1-13-22	Soil	1	cx	V							V
1 Relinquished By:		Ume Ol-1	3-2022	Time:	10	Receiv	ed By:"	-	Print:).Iim	Date:	13-22	e: 117D
2 Retinquished By:		Date:		Time:	i Mu	Receiv	ed By:		Print:		Date:	Tim	
	ved in Good Condition?		amples on Ic	\sim	100 <u>00</u> 00		l of Shipme	nt	0		Sample seals	intact? 🔲 Yes	
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Torrent	83 Sinclair Frontage Roa Ailpitas, CA 95035 Phone: 408.263.5258 AX: 408.263.8293 www.torrentlab.com	CH	AIN OF CUSTODY AREAS ARE FOR TORRENT LAB USE ONLY •	LAB WORK ORDER NO
Company Name: Jacobs Engli	neerina	Env. Spe	cial Project #: N8415300 PO;	# :
Address: 155 Grand Ave	, #800		Project Name: Sarata Chava Country	ADL Investigation
	State: CA	Zip Code: 94612	Comments: "Please se verwarks bo	Х"
Telephone: 510-457-00270	Cell:		SAMPLER: Y. ANIMA J. TONME Quote #	<i>t</i> :
REPORT TO: TAVA ZUNDWISK B	BILL TO: JACOBS		EMAIL: TAVA, ZAVONNESK @ SACOK	S. (0M
TURNAROUND TIME:	SAMPLE TYPE:	REPORT FORMAT:		
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🔲 7 Work Days 📋 3 Work Days 🔲 Noon - Nxt D	ay Ground Water	Vipe EDF StdEDD		REQUESTED
🕑 5 Work Days 🔲 2 Work Days 🔲 2 - 8 Hours	Soil Product / Bi			
LAB ID LAB ID LD (10/2) CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED MAT	RIX # OF CONT CONT TYPE	-	REMARKS
			, , , , , , , , , , , , , , , , , , , ,	Hobi for TCLP after analysis
-019A E16-27-10-220113	11:45 50	a al V		attrahauss
021A -020A E10-27-10 220113	11:50 500	1 1 92		
				\checkmark
		i		
1 Relinquished By: 1 John John John John John John John John	Jme 01-13-200		Print: Date: -D-J-Jubart 1-12	3-22 Time: 157D
2 Retinquished By: Print:	Date:		eived By: Print: Date:	Time:
Were Samples Received in Good Condition?	0 days from date of receipt u	7	hod of Shipment Dhe Sample seal ade. 5°C #2	s intact? Yes No N/A



Jacobs Associates 465 California St, Suite 1000 San Francisco, California 94104 Tel: 408 398 7889

RE: Santa Clara County ADL Investigation

Work Order No.: 2201115

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 24 sample(s) on January 14, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Eur

Kathie Evans Project Manager

January 24, 2022 Date



Date: 1/24/2022

Client: Jacobs Associates Project: Santa Clara County ADL Investigation Work Order: 2201115

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.



Sample Result Summary

Report prepared for:	Tara Zuroweste					Received: (
RHV04-6-220114	Jacobs Associates				Date	Reported: (22	01/24/22 01115-001
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	Unit
Lead		SW6010B	1	0.12	3.0	7.00	mg/Kg
RHV04-18-220114						22	01115-002
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	14.9	mg/Kg
RHV28-6-220114						22	01115-003
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	9.10	mg/Kg
RHV28-18-220114						22	01115-004
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	6.40	mg/Kg
RHV02-6-220114						22	01115-005
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	16.5	mg/Kg
RHV02-18-220114						22	01115-006
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.65	mg/Kg
RHV01-18-220114						22	01115-007
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.20	mg/Kg
RHV01-6-220114						22	01115-008
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.30	mg/Kg
RHV08-6-220114						22	01115-009
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.75	mg/Kg



Sample Result Summary

Report prepared for:	Tara Zuroweste				Date	Received: ()1/14/22
	Jacobs Associates				Date	Reported: ()1/24/22
RHV08-18-220114						22	01115-010
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	9.40	mg/Kg
RHV06-6-220114						22	201115-011
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	5.30	mg/Kg
RHV06-18-220114						22	01115-012
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	23.9	mg/Kg
RHV23-6-220114						22	01115-013
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	13.1	mg/Kg
RHV23-18-220114						22	01115-014
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.05	mg/Kg
RHV21-6-220114						22	01115-015
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.10	mg/Kg
RHV21-18-220114						22	01115-016
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.35	mg/Kg
RHV05-6-220114						22	01115-017
Parameters:		<u>Analysis</u> <u>Method</u>	DF	<u>MDL</u>	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.65	mg/Kg
RHV05-18-220114						22	01115-018
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	6.30	mg/Kg

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Sample Result Summary

Report prepared for:	Tara Zuroweste				Date	Received:	01/14/22
	Jacobs Associates				Date	Reported:	01/24/22
RHV29-6-220114						22	201115-019
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	9.00	mg/Kg
RHV29-18-220114						22	201115-020
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	6.10	mg/Kg
RHV07-6-220114						22	201115-021
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	11.4	mg/Kg
RHV07-18-220114						22	201115-022
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.80	mg/Kg
RHV03-6-220114						22	201115-023
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	22.2	mg/Kg
RHV03-18-220114						22	201115-024
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	42.0	mg/Kg



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time			4/22, 4: rted: 01	
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV04-6-2 Santa Clara W8Y15300 01/14/22 / 9	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220111 Soil	5-001A			
Prep Method: 3050B Prep Batch ID: 1138595					Prep Batch Prep Analys		me: 1/20/2 ERAC		9:50:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.00		mg/Kg	01/24/22	16:33	ERR	462988



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time Received: 01/14/22, 4:25 pm Date Reported: 01/24/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV04-18- Santa Clara W8Y15300 01/14/22 / S	a Count		estigation	Lab Sample Sample Ma		220111 Soil	5-002A					
Prep Method: 3050B Prep Batch ID: 1138595					Prep Batch Prep Analys			22 SUDO	9:50:00F	PM			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	14.9		mg/Kg	01/22/22	14:03	ERR	462983		



Report prepared for:	Tara Zuroweste Jacobs Associa	ites					Date/Time Received: 01/14/22, 4:25 pm Date Reported: 01/24/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV28-6-2 Santa Clara W8Y15300 01/14/22 / 7	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220111 Soil	5-003A					
Prep Method: 3050B Prep Batch ID: 1138595					Prep Batch Prep Analys			22 SUDO	9:50:00F	ЪМ			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	9.10		mg/Kg	01/22/22	14:07	ERR	462983		



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time			14/22, 4: • rted: 01	•
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV28-18- Santa Clara W8Y15300 01/14/22 / *	a Count		estigation	Lab Sample Sample Ma		220111 Soil	5-004A			
Prep Method: 3050B Prep Batch ID: 1138595					Prep Batch Prep Analys			22 SUDO	9:50:00	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.40		mg/Kg	01/22/22	14:08	ERR	462983



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time			4/22, 4: rted: 01	
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV02-6-2 Santa Clara W8Y15300 01/14/22 / *	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220111 Soil	5-005A			
Prep Method: 3050B Prep Batch ID: 1138595					Prep Batch Prep Analys			22 SUDO	9:50:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	16.5		mg/Kg	01/22/22	15:38	ERR	462983



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time			4/22, 4: rted: 01	
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV02-18- Santa Clara W8Y15300 01/14/22 / *	a Count		estigation	Lab Sample Sample Ma		220111 Soil	5-006A			
Prep Method: 3050B Prep Batch ID: 1138595					Prep Batch Prep Analys			22 SUDO	9:50:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.65		mg/Kg	01/22/22	15:40	ERR	462983



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time			14/22, 4: orted: 01	•
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV01-18- Santa Clara W8Y15300 01/14/22 / *	a Count		estigation	Lab Sample Sample Ma		220111 Soil	5-007A			
Prep Method: 3050B Prep Batch ID: 1138595					Prep Batch Prep Analys		me: 1/20/2 ERAC		9:50:00	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.20		mg/Kg	01/22/22	15:47	ERR	462983



Report prepared for:	Tara ZurowesteDate/Time Received: 01/14/22, 43Jacobs AssociatesDate Reported: 01								•		
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV01-6-2 Santa Clara W8Y15300 01/14/22 / *	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220111 Soil	5-008A			
Prep Method: 3050B Prep Batch ID: 1138595					Prep Batch Prep Analys			22 SUDO	9:50:00	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.30		mg/Kg	01/22/22	15:49	ERR	462983



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time			4/22, 4: rted: 01	
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV08-6-2 Santa Clara W8Y15300 01/14/22 / [/]	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220111 Soil	5-009A			
Prep Method: 3050B Prep Batch ID: 1138595					Prep Batch Prep Analys			22 § GUDO	9:50:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	7.75		mg/Kg	01/22/22	15:50	ERR	462983



Report prepared for:	Tara ZurowesteDate/Time Received:01/14/22,4:25Jacobs AssociatesDate Reported:01/24/									•	
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV08-18- Santa Clara W8Y15300 01/14/22 / 7	a Count		estigation	Lab Sample Sample Ma		220111 Soil	5-010A			
Prep Method: 3050B Prep Batch ID: 1138595					Prep Batch Prep Analys			22 SUDO	9:50:00	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	9.40	•	mg/Kg	01/22/22	15:52	ERR	462983



Report prepared for:	Tara ZurowesteDate/Time Received: 01Jacobs AssociatesDate Rep									,	
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV06-6-2 Santa Clara W8Y15300 01/14/22 / *	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220111 Soil	5-011A			
Prep Method: 3050B Prep Batch ID: 1138565					Prep Batch Prep Analys		me: 1/20/2 PHUF		9:50:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	5.30		mg/Kg	01/22/22	16:46	ERR	462981



Report prepared for:	Tara Zuroweste Jacobs Associa					Date/Time Received: 01/14/22, 4:25 pm Date Reported: 01/24/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	Santa Clara W8Y15300	RHV06-18-220114 Santa Clara County ADL Investigation W8Y15300 01/14/22 / 12:15					220111 Soil	5-012A				
Prep Method: 3050B Prep Batch ID: 1138565					Prep Batch Prep Analys		me: 1/20/2 PHUF		9:50:00F	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	23.9		mg/Kg	01/22/22	16:56	ERR	462981	



Report prepared for:	Tara ZurowesteDate/Time ReceJacobs AssociatesI									4/22, 4: rted: 01	
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV23-6-2 Santa Clara W8Y15300 01/14/22 / ⁻	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220111 Soil	5-013A			
Prep Method: 3050B Prep Batch ID: 1138565					Prep Batch Prep Analys		me: 1/20/2 PHUF		9:50:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	13.1	8	mg/Kg	01/22/22	17:00	ERR	462981



Report prepared for:	Tara Zuroweste Jacobs Associa						Date/Time Received: 01/14/22, 4:25 pm Date Reported: 01/24/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV23-18- Santa Clara W8Y15300 01/14/22 / *	a Count		estigation	Lab Sample Sample Ma		220111 Soil	5-014A					
Prep Method: 3050B Prep Batch ID: 1138565					Prep Batch Prep Analys		me: 1/20/2 PHUF		9:50:00	PM			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	8.05		mg/Kg	01/22/22	17:01	ERR	462981		



Report prepared for:	Tara Zuroweste Jacobs Associa	ites				Date/Time Received: 01/14/22, 4:25 pm Date Reported: 01/24/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV21-6-2 Santa Clara W8Y15300 01/14/22 / *	Count	y ADL Inve	estigation	Lab Sample Sample Ma		220111 Soil	5-015A				
Prep Method: 3050B Prep Batch ID: 1138565					Prep Batch Prep Analys		me: 1/20/2 PHUF		9:50:00	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	8.10		mg/Kg	01/22/22	17:03	ERR	462981	



Report prepared for:	Tara Zuroweste Jacobs Associa	ites				Date/Time Received: 01/14/22, 4:25 pm Date Reported: 01/24/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV21-18- Santa Clara W8Y15300 01/14/22 / *	a Count		estigation	Lab Sample Sample Ma		220111 Soil	5-016A				
Prep Method: 3050B Prep Batch ID: 1138565					Prep Batch Prep Analys		me: 1/20/2 PHUF		9:50:00F	РM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	7.35		mg/Kg	01/22/22	17:05	ERR	462981	



Report prepared for:	Tara Zuroweste Jacobs Associa	ites					Date/Time Received: 01/14/22, 4:25 pm Date Reported: 01/24/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV05-6-2 Santa Clara W8Y15300 01/14/22 / *	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220111 Soil	5-017A					
Prep Method: 3050B Prep Batch ID: 1138565					Prep Batch Prep Analys		me: 1/20/2 PHUF		9:50:00	PM			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	7.65		mg/Kg	01/22/22	17:06	ERR	462981		



Report prepared for:	Tara Zuroweste Jacobs Associa		Date/Time			4/22, 4: rted: 01	•				
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV05-18- Santa Clara W8Y15300 01/14/22 / *	a Count		estigation	Lab Sample Sample Ma		220111 Soil	5-018A			
Prep Method: 3050B Prep Batch ID: 1138565					Prep Batch Prep Analys		me: 1/20/2 PHUF		9:50:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.30		mg/Kg	01/22/22	17:08	ERR	462981



Report prepared for:	Tara Zuroweste Jacobs Associa	ites				Date/Time Received: 01/14/22, 4:25 pm Date Reported: 01/24/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	Santa Clara W8Y15300	RHV29-6-220114 Santa Clara County ADL Investigation W8Y15300 01/14/22 / 10:25					220111 Soil	5-019A				
Prep Method: 3050B Prep Batch ID: 1138565					Prep Batch Prep Analys		me: 1/20/2 PHUF		9:50:00	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	9.00		mg/Kg	01/22/22	17:10	ERR	462981	



Report prepared for:	Tara Zuroweste Jacobs Associa					Date/Time Received: 01/14/22, 4:25 pm Date Reported: 01/24/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV29-18- Santa Clara W8Y15300 01/14/22 / *	a Count		estigation	Lab Sample Sample Ma		220111 Soil	5-020A				
Prep Method: 3050B Prep Batch ID: 1138565					Prep Batch Prep Analys		me: 1/20/2 PHUF		9:50:00	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	6.10		mg/Kg	01/22/22	17:11	ERR	462981	



Report prepared for:	Tara ZurowesteDate/Time Received:01/14/22,4:25Jacobs AssociatesDate Reported:01/24										
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV07-6-2 Santa Clara W8Y15300 01/14/22 / 9	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220111 Soil	5-021A			
Prep Method: 3050B Prep Batch ID: 1138565					Prep Batch Prep Analys		me: 1/20/2 PHUF		9:50:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	11.4		mg/Kg	01/24/22	16:34	ERR	462988



Report prepared for:	Tara Zuroweste Jacobs Associates						Date/Time Received: 01/14/22, 4:25 pm Date Reported: 01/24/22				
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV07-18-220114 Santa Clara County ADL Investigation W8Y15300 01/14/22 / 9:50				•	Lab Sample ID: 22 Sample Matrix: Sc					
Prep Method: 3050B Prep Batch ID: 1138565					Prep Batch Prep Analys			e: 1/20/22 9:50:00PM PHUFANO			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	8.80		mg/Kg	01/24/22	16:36	ERR	462988



Report prepared for:	pared for: Tara Zuroweste Jacobs Associates								Date/Time Received: 01/14/22, 4:25 pm Date Reported: 01/24/22				
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV03-6-2 Santa Clara W8Y15300 01/14/22 / *	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220111 Soil	5-023A					
Prep Method:3050BPrep Batch DPrep Batch ID:1138565Prep Analyst							me: 1/20/2 PHUF		9:50:00	PM			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch		
Lead	SW6010B	1	0.12	3.0	22.2		mg/Kg	01/24/22	16:38	ERR	462988		



Report prepared for:	ort prepared for: Tara Zuroweste Jacobs Associates								Date/Time Received: 01/14/22, 4:25 pm Date Reported: 01/24/22			
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	RHV03-18- Santa Clara W8Y15300 01/14/22 / *	a Count		estigation	Lab Sample Sample Ma		220111 Soil	5-024A				
Prep Method: 3050B Prep Batch ID: 1138565					Prep Batch Prep Analys		me: 1/20/2 PHUF		9:50:00F	PM		
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch	
Lead	SW6010B	1	0.12	3.0	42.0		mg/Kg	01/24/22	16:43	ERR	462988	



MB Summary Report

Work Order:	2201115	Prep l	Method:	3050B	Prep	Date:	01/20/22	Prep Batch:	1138565	
Matrix:	Soil	Analy		SW6010B Analyzed Date:		lyzed Date:	1/22/2022	Analytical	462981	
Units:	mg/Kg	Metho	Method:					Batch:		
Parameters		MDL	PQL	Method Blank Conc.	Lab Qualifier					
Lead		0.10	3.00	ND						
Work Order:	2201115	Prep Method:		3050B	Prep	Date:	01/20/22	Prep Batch:	1138595	
Matrix:	Soil	Analy		SW6010B	B Analyzed Date		1/22/2022	Analytical	462983	
Units:	mg/Kg	Metho	od:					Batch:		
Parameters		MDL	PQL	Method Blank Conc.	Lab Qualifier					
Arsenic		0.15	1.30	ND						
Lead		0.10	3.00	ND						



LCS/LCSD Summary Report

				LCO		unnary	Report	Raw value	es are used in	quality contro	ol assessment
Work Order:	2201115		Prep Metho	od: 3050	В	Prep Da	te:	01/20/22	Prep Batch: 1138565		8565
Matrix:	Soil		Analytical Method:	I SW6010B Analyze		Analyze	yzed Date: 1/22/2022		Analytical 462981 Batch:		2981
Units:	mg/Kg		wethou.					Daten.			
Parameters		MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead		0.10	3.00	ND	50	99.5	98.6	1.01	80 - 120	30	
Work Order:	2201115		Prep Metho	Prep Method: 3050B		Prep Date: 01/20/22		Prep Ba	tch: 113	8595	
Matrix:	Soil		Analytical Method:	SW6	6010B	Analyzed Date: 1/22/2022		Analytical 462983 Batch:			
Units:	mg/Kg		Metrioa.						Datch.		
Parameters		MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic	I	0.15	1.30	ND	50	84.4	91.6	8.18	80 - 120	30	
Lead		0.10	3.00	ND	50	89.3	97.0	8.15	80 - 120	30	



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201115		Prep Method	3050B		Prep Date:	01/2	0/22	Prep Batch:	113856	5	
Matrix:	Soil		Analytical	SW601	0B	Analyzed D	ate: 1/22	/2022	Analytical	462981		
Spiked Sample:	2201115-011A		Method:						Batch:			
Units:	mg/Kg											
Parameters		MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier	
Lead		0.10	5.00	5.30	50	90.4	93.4	2.93	67.9 - 118	30		
Work Order:	2201115		Prep Method	: 3050B		Prep Date:	01/2	0/22	Prep Batch:	113859	5	
Matrix:	Soil		Analytical	nalytical SW6010B			Analyzed Date: 1/22/2022			Analytical 462983		
Spiked Sample:	2201115-006A		Method:			Batch:						
Units:	mg/Kg											
Parameters		MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier	
Arsenic		0.15	5.00	ND	50	109	111	1.82	71.0 - 121	30		
Lead		0.10	5.00	8.65	50	90.7	91.7	0.922	67.9 - 118	30		



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.

Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.

Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)

Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.

Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)

Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.

Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero

Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.

Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates

Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis

Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.

Units: the unit of measure used to express the reported result - **mg/L** and **mg/Kg** (equivalent to PPM - parts per million in **liquid** and **solid**), **ug/L** and **ug/Kg** (equivalent to PPB - parts per billion in **liquid** and **solid**), **ug/m3**, **mg/m3**, **ppbv** and **ppmv** (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS

B - Indicates when the analyte is found in the associated method or preparation blank

D - Surrogate is not recoverable due to the necessary dilution of the sample

E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.

H- Indicates that the recommended holding time for the analyte or compound has been exceeded

J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative

NA - Not Analyzed

N/A - Not Applicable

ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.

NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added

R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts

S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative

X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.



Sample Receipt Checklist

Client Name: Jacobs Associates								
Project Name: Santa Clara County ADL Investigation								
Work Order No.: 2201115								

Date and Time Received: <u>1/14/2022</u> <u>4:25:00PM</u> Received By: Helena Ueng Physically Logged By: Helena Ueng Checklist Completed By: Helena Ueng Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	<u>Yes</u>
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	<u>Yes</u>
Samples in proper container/bottle?	<u>Yes</u>
Samples containers intact?	<u>Yes</u>
Sufficient sample volume for indicated test?	<u>Yes</u>

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes
Container/Temp Blank temperature in compliance?	Temperature: 7.0 °C
Water-VOA vials have zero headspace?	No VOA vials submitted
Water-pH acceptable upon receipt?	<u>N/A</u>
pH Checked by: N/A	pH Adjusted by: N/A

Comments:

Samples transported on ice



Login Summary Report

Client ID:	TL5282	Jacobs Associates	QC Level:	II
Project Name:	Santa Clara Co	unty ADL Investigation	TAT Requested:	5+ day:5
Project # :	W8Y15300		Date Received:	1/14/2022
Report Due Date:	1/21/2022		Time Received:	4:25 pm

- Comments:
- Work Order # : 2201115

WO Sample ID	<u>Client</u>	Collection	Matrix	Scheduled Sa	ample]	Fest	Requested	Subbed
<u></u>	Sample ID	Date/Time	<u></u>		n Hold		Tests	<u></u>
2201115-001A	RHV04-6-220114	01/14/22 9:00	Soil	07/13/22				
Sample Note:	6010-Lead **Use samples	2201115-0064 & -0	11A for MS	MSDe**			Met_S_As Pb	
2201115-002A	RHV04-18-220114	01/14/22 9:05	Soil	07/13/22				
							Met_S_As Pb	
2201115-003A	RHV28-6-220114	01/14/22 13:35	Soil	07/13/22			Met_S_As Pb	
2201115-004A	RHV28-18-220114	01/14/22 13:40	Soil	07/13/22				
2201115-005A	RHV02-6-220114	01/14/22 15:05	Soil	07/13/22			Met_S_As Pb	
							Met_S_As Pb	
2201115-006A	RHV02-18-220114	01/14/22 16:10	Soil	07/13/22			Met S As Pb	
Sample Note:	-006: RUN MS/MSD on th	is sample						
2201115-007A	RHV01-18-220114	01/14/22 15:20	Soil	07/13/22				
2201115-008A	RHV01-6-220114	01/14/22 15:15	Soil	07/13/22			Met_S_As Pb	
							Met_S_As Pb	
2201115-009A	RHV08-6-220114	01/14/22 12:40	Soil	07/13/22			Met_S_As Pb	
2201115-010A	RHV08-18-220114	01/14/22 12:45	Soil	07/13/22				
2201115-011A	RHV06-6-220114	01/14/22 12:10	Soil	07/13/22			Met_S_As Pb	
2201113-011A	111100-0-220114	01/14/22 12:10	001	01/10/22			Met_S_As Pb	
Sample Note:	-011: RUN MS/MSD on th	is sample						
2201115-012A	RHV06-18-220114	01/14/22 12:15	Soil	07/13/22			Mot S As Dh	
2201115-013A	RHV23-6-220114	01/14/22 10:45	Soil	07/13/22			Met_S_As Pb	
2201115 0144		01/11/22 10:50	Sail	07/12/22			Met_S_As Pb	
2201115-014A	RHV23-18-220114	01/14/22 10:50	Soil	07/13/22			Met_S_As Pb	
2201115-015A	RHV21-6-220114	01/14/22 11:05	Soil	07/13/22				
2201115-016A	RHV21-18-220114	01/14/22 11:10	Soil	07/13/22			Met_S_As Pb	
							Met_S_As Pb	
2201115-017A	RHV05-6-220114	01/14/22 11:55	Soil	07/13/22				

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com



Login Summary Report

Client ID:	TL5282	Jacobs Associates	QC Level:	II
Project Name:	Santa Clara Co	unty ADL Investigation	TAT Requested:	5+ day:5
Project # :	W8Y15300		Date Received:	1/14/2022
Report Due Date:	1/21/2022		Time Received:	4:25 pm
Comments:				

Work Order # : 2201115

WO Sample ID	<u>Client</u> Sample ID	<u>Collection</u> Date/Time	<u>Matrix</u>		<u>nple Test</u> Hold On Hold	<u>Requested</u> <u>Tests</u>	<u>Subbed</u>
2201115-018A	RHV05-18-220114	01/14/22 12:05	Soil	07/13/22		Met_S_As Pb	
2201115-019A	RHV29-6-220114	01/14/22 10:25	Soil	07/13/22		Met_S_As Pb	
2201115-020A	RHV29-18-220114	01/14/22 10:30	Soil	07/13/22		Met_S_As Pb	
2201115-021A	RHV07-6-220114	01/14/22 9:45	Soil	07/13/22		Met_S_As Pb	
2201115-022A	RHV07-18-220114	01/14/22 9:50	Soil	07/13/22		Met_S_As Pb	
2201115-023A	RHV03-6-220114	01/14/22 14:30	Soil	07/13/22		Met_S_As Pb Met_S_As Pb	
2201115-024A	RHV03-18-220114	01/14/22 14:35	Soil	07/13/22		Met_S_As Pb	



Torrent	83 Sinclair Frontage Road lilpitas, CA 95035 thone: 408.263.5258 AX: 408.263.8293 www.torrentlab.com	• NOTE: SH	CHA HADED A							NLY •		LAB WOR	K ORDER NO
Company Name: Jacobs Engin	eenty [Env.	Special	Project	:#: (W8)	15	300)	P	0 #:		
Address: 155 Grand Ane	+800	1.	si-u- v	Project	Name	: Sau	tac	lara	Com	my;	ADI	L Inveso	hightin
City: Dakland	State: CA Zip	Code: 946	2			see ",							
Telephone: (5/0) 457-0027			- 1	SAMPL	ER: 7	T. Magi	11 &	J.To	u/me	Quot	e #:		
REPORT TO: Java Euro weste E	BILL TO: Jacobs			EMAIL:	Ta	rait	Zuri	west	te C) Ja	106.	sicom	
TURNAROUND TIME:	SAMPLE TYPE:	Level II - Std.											
🔲 10 Work Days 🔲 4 Work Days 🔲 1 Work Day	Storm Water Air Waste Water Wipe	Excel - EDD	Pb									(1997)	
7 Work Days 2 3 Work Days Noon - Nxt Da	ay Ground Water D Other	EDF StdEl			,		·						OLUTED
5 Work Days 2 Work Days 2 - 8 Hours	Soil Product / Bulk	QC Level IV	Tota					,				1	
LAB ID CANISTER I.D. CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED MATRIX	# OF CONT CONT TYPE	10									RE	IARKS
-001A RHV04-6-220114	1/14/22/0900 soil	1 91	/									Hold for	analysis
-202A RH4V04-18-220114	1/14/22/0905 Soil	1 91	/										
103A RHV 28-6-220114	1/14/22/1335 5011	1 91	/										
-004A RHV28-18-220/14	1/14/22/1340 201/	1 91	/				1						
-005t RHV02-6-220114	1/14/22/1505 501/	1 91	/										
-006A RHV02-18-220114	1/14/22/1610 Soil	1 91	/	- Not	e:r	un fo	r M	S/A	isd				
-007A RHV01-18-220114	1/14/22/1520 soil	1 1	/										
+08A RAV01-6-220/14		1 91	/										
1009A RHV08-6-220114	1/14/22/1240 501/	1 91	/										
1010A RHV08-18-220114	1/14/22/1245 5011	1 91	/				i Lat						
1 Relinquished By: Print: 1 Definition Relinquished By: Print: 1 Relinqui	Main 1/14/22	Time: 16:25	t	el By:	$\overline{\gamma}$	-#	rint: elev	ell	γ	Date:	1/22	Time	25
2 Relinquished By: Print:	Date:	Time:	Receiv	ed By:		IF	Print:	1	/	Date:		Time	
Were Samples Received in Good Condition?		7 -	O Metho		nent	D(1	3					ct? 🔲 Yes	
NOTE: Samples are discarded by the laboratory 30 Log In By: Date:) days from date of receipt unles Labeled By:	s other arrangement Da				Те		7	ŧ	ţν		age of	Rev. 4



LABORATORY, INC.	483 Sinclair Frontage Road Milpitas, CA 95035 Phone: 408.263.5258 FAX: 408.263.8293 www.torrentlab.com		HAIN OF CUSTODY DED AREAS ARE FOR TORRENT LAB USE ONLY •	LAB WORK ORDER NO
Company Name: Jacobs Enc	cincering [) 🗍 Env. 🗋		and the second data and the second
	#80a		Project Name: Santa Clara County A Comments: see "Femarts" box	DL Investigation
City: Galdand	State: CA Zip	Code: 94612	Comments: sec 'temarts box	
Telephone: (510) 457-0027			SAMPLER: T. Mayill +J. Toslme Quote	
	BILL TO: Jacobs	an farmer and the second	EMAIL: Tara, Zurowestel Jacobs. cor	n
TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work I 7 Work Days 3 Work Days Noon - N 5 Work Days 2 Work Days 2 - 8 Hor	Ixt Day Ground Water Other	CLEVEL II - Std. CLEVEL II - Std. EXCEL - EDD EDF StdEDD QC Level III QC Level IV	ter c	ANALYSIS REQUESTED
LAB ID CANISTER I.D. CLIENT'S SAMPLE I	.D. DATE / TIME MATRIX	# OF CONT CONT TYPE	0	REMARKS
011A RHV06-6-22011	4 01/14/22/1210 Por 1	1 91	runfor MstMsD	Hold for TCCP after analysis
-012A RHV06-18-22011	1401-1422/215 50:1	1 91		
-013A RHV23-6-22011	4 01-12/1045 So.1	1 51		
014A RHV23-18-22011		1 51		
015A R4121-6-22011C		1 5'	/	
016A RHUZI-18-2201		2 51	/	
151	1401-14-22/1155 Jan	2 51		
018A RHV05-18-2201		1 51	/	
RHV29-6-2201	14 01-14-22/1025 50.1	1 51	1	
-020 A RHV29-18-220	. /	1 51		V
1 Relinquished By: Print: 2 Print: Taf	um Magill 1/14/22 Date:	16:25	Received By: Print: Date: Date: III	y/12 Time: 675 Time:
Were Samples Received in Good Condition?	Yes DNO Samples on I	ce? Pres NO	Method of Shipment DO Sample sea	ls intact?
NOTE: Samples are discarded by the laborator	y 30 days from date of receipt unles	s other arrangements are	e made.	
Log In By: Date:	Labeled By:	Date: _	Temp°C	Page of Rev. 4



2 1011 EII Phone: 408.263.5258	RE FOR TORRENT LAB USE ONLY • 220 115
Company Name: Jacobs Engineering DEnv. DSpecial Project #	
Address: 155 Grand Ane #800 Project N	ame: Santa Clava County ADL Investigation ts: see "remarks" box R:T. Magill RJ. Toulme Quote #:
City: Oakland State: CA Zip Code: 946/2 Comment	ts: see "remarks" box
Telephone: (5/0) 457-WEPII: SAMPLE	R: T. Magi / L.J. Toulme Quote #:
REPORT TO: Tava Zuvoweste BILL TO: Jacobs EMAIL:	Tara, Europeste & Jacobs. com
TURNAROUND TIME: SAMPLE TYPE: REPORT FORMAT: 10 Work Days 4 Work Days 1 Work Day 7 Work Days 3 Work Days Noon - Nxt Day 6 Storm Water Wipe 7 Work Days 2 Work Days 2 - 8 Hours 8 Soil Product / Bulk	ANALYSIS REQUESTED
LAB ID CANISTER I.D. CLIENT'S SAMPLE I.D. DATE / TIME SAMPLED MATRIX # OF CONT CONT	REMARKS
021A RHV07-6-220114 1/14/22/945 Soil 1 91	Hold for TCLP after analysis
022A RANO7-18-220114 1/14/22/950 Joil 1 21	
03A 1241V03-6-220114 1/14/22/1430 8011 / 31	
-04A RHN03-18-220114 1/14/22/1435 Soil 1 91	
1 Relinquished By: Print; Date: 1/14/22 Time: Received By:	Y Holewally Dates (4/22 Time: 625
2 Relinquished By: Print: Date: Time: Received By:	Print: Date! Time:
Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipmer NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.	nt Sample seals intact? Yes NO [X] N/A
Log In By: Date: Labeled By: Date:	Temp°C Page of Rev. 4



Jacobs Associates 465 California St, Suite 1000 San Francisco, California 94104 Tel: 408 398 7889

RE: Santa Clara County ADL Investigation

Work Order No.: 2201127 Rev: 1

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 18 sample(s) on January 17, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Eun

Kathie Evans Project Manager

January 24, 2022 Date



Date: 1/24/2022

Client: Jacobs Associates Project: Santa Clara County ADL Investigation Work Order: 2201127

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

REVISIONS

Report revised to report data to the MDL for the samples that were ND at the PQL.

Rev. 1 (2/8/22)



Sample Result Summary

Report prepared for:	Tara Zuroweste				Date	Received: ()1/17/22
	Jacobs Associates				Date	Reported: ()1/24/22
E1608-6-220113						22	01127-001
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	6.55	mg/Kg
E1608-18-220113						22	01127-002
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	2.48	mg/Kg
E1603-6-220113						22	01127-003
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	7.60	mg/Kg
E1603-18-220113						22	01127-004
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.32	mg/Kg
E1609-6-220113						22	01127-005
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	14.5	mg/Kg
E1609-18-220113						22	01127-006
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	5.05	mg/Kg
E1610-6-220113						22	01127-007
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	2.95	mg/Kg
E1610-18-220113						22	01127-008
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	2.11	mg/Kg
E1601-6-220113						22	01127-009
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.90	mg/Kg



Sample Result Summary

Report prepared for:	Tara Zuroweste				Date	Received: 0	1/17/22
	Jacobs Associates				Date	Reported: 0	1/24/22
E1601-18-220113						22	01127-010
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	2.13	mg/Kg
E1606-6-220113						22	01127-011
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.20	mg/Kg
E1606-18-220113						22	01127-012
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.23	mg/Kg
E1604-6-220113						22	01127-013
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	5.75	mg/Kg
E1604-18-220113						22	01127-014
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	1.94	mg/Kg
E1605-6-220113						22	01127-015
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	16.2	mg/Kg
E1605-18-220113						22	01127-016
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	2.77	mg/Kg
E1602-6-220113						22	01127-017
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	5.20	mg/Kg
E1602-18-220113						22	01127-018
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	2.35	mg/Kg

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Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			7/22, 3: rted: 01	
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1608-6-22 Santa Clara W8Y15300 01/17/22 / 9	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220112 Soil	7-001A			
Prep Method: 3050B Prep Batch ID: 1138570					Prep Batch Prep Analys			22 (Fano	6:30:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	6.55		mg/Kg	01/24/22	16:49	ERR	462986
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1608-18-2 Santa Clara W8Y15300 01/17/22 / 9	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220112 Soil	7-002A			
Prep Method: 3050B Prep Batch ID: 1138570					Prep Batch Prep Analys			22 (FANO	6:30:00F	PM	
	Analysis Method	DF	MDL	PQL	-					PM By	Analytical Batch
Prep Batch ID: 1138570	Method			PQL 3.0	Prep Analys	st:	PHU	ANO	Time		
Prep Batch ID: 1138570 Parameters: The results shown below at	Method re reported usin	g thei 1 20113 a Count	n MDL. 0.12	3.0	Prep Analys Results	st: Q J e ID:	PHUI Units mg/Kg	Analyzed	Time	Ву	Batch
Prep Batch ID: 1138570 Parameters: The results shown below and Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled:	Method re reported usin SW6010B E1603-6-22 Santa Clara W8Y15300	g thei 1 20113 a Count	n MDL. 0.12	3.0	Prep Analys Results 2.48 Lab Sampl	g J e ID: ttrix: Date/Tiu	PHUI Units mg/Kg 220112 Soil ne: 1/21/2	Analyzed 01/24/22 7-003A	Time	By	Batch
Prep Batch ID: 1138570 Parameters: The results shown below an Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG: Prep Method: 3050B	Method re reported usin SW6010B E1603-6-22 Santa Clara W8Y15300	g thei 1 20113 a Count	n MDL. 0.12	3.0	Prep Analys Results 2.48 Lab Sampl Sample Ma	g J e ID: ttrix: Date/Tiu	PHUI Units mg/Kg 220112 Soil ne: 1/21/2	Analyzed 01/24/22 7-003A	Time 16:54	By	Batch



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Tim	e Receive Date		7/22, 3 rted: 0 ⁻	
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1603-18-2 Santa Clara W8Y15300 01/17/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220112 Soil	27-004A			
Prep Method: 3050B Prep Batch ID: 1138570					Prep Batch Prep Analys			22 FANO	6:30:00	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	3.32		mg/Kg	01/24/22	16:58	ERR	462986
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled:	E1609-6-22 Santa Clara W8Y15300 01/17/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220112 Soil	27-005A			
SDG:											
SDG: Prep Method: 3050B Prep Batch ID: 1138570					Prep Batch Prep Analys			22 FANO	6:30:00F	PM	
Prep Method: 3050B	Analysis Method	DF	MDL	PQL	•				1	PM By	Analytical Batch
Prep Method: 3050B Prep Batch ID: 1138570		DF	MDL 0.12	PQL 3.0	Prep Analys	st:	PHU	FANO	Time		
Prep Method: 3050B Prep Batch ID: 1138570 Parameters:	Method	1 20113 Count	0.12	3.0	Prep Analys Results	e ID:	PHU Units mg/Kg	FANO Analyzed	Time	Ву	Batch
Prep Method: 3050B Prep Batch ID: 1138570 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled:	Method SW6010B E1609-18-2 Santa Clara W8Y15300	1 20113 Count	0.12	3.0	Prep Analys Results 14.5 Lab Sampl	st: Q le ID: atrix: Date/Ti	PHU Units mg/Kg 220112 Soil me: 1/21/	FANO Analyzed 01/24/22 27-006A	Time	By ERR	Batch
Prep Method: 3050B Prep Batch ID: 1138570 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG: 3050B	Method SW6010B E1609-18-2 Santa Clara W8Y15300	1 20113 Count	0.12	3.0	Prep Analys Results 14.5 Lab Sampl Sample Ma	st: Q le ID: atrix: Date/Ti	PHU Units mg/Kg 220112 Soil me: 1/21/	FANO Analyzed 01/24/22 27-006A	Time 17:03	By ERR	Batch



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time	e Received Date		7/22, 3: rted: 01	•
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1610-6-22 Santa Clara W8Y15300 01/17/22 / 9	Count	y ADL Inve	estigation	Lab Sample Sample Ma		220112 Soil	7-007A			
Prep Method: 3050B Prep Batch ID: 1138570					Prep Batch Prep Analys			22 6 Fano	6:30:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
The results shown below a Lead	sw6010B	g thei 1	r MDL. 0.12	3.0	2.95	J	mg/Kg	01/24/22	17:06	ERR	462986
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1610-18-2 Santa Clara W8Y15300 01/17/22 / 9	Count	y ADL Inve	estigation	Lab Sample Sample Ma		220112 Soil	7-008A			
Prep Method: 3050B Prep Batch ID: 1138570					Prep Batch Prep Analys			22 6 Fano	6:30:00F	РМ	
	Australia				T TOP Analys						
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Parameters: The results shown below a Lead	Method			PQL 3.0			Units mg/Kg	Analyzed 01/24/22		By ERR	-
The results shown below a	Method are reported usin	g thei 1 20113 a Count	n MDL. 0.12	3.0	Results	Q J e ID:	mg/Kg			-	Batch
The results shown below a Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled:	Method are reported usin SW6010B E1601-6-22 Santa Clara W8Y15300	g thei 1 20113 a Count	n MDL. 0.12	3.0	Results 2.11 Lab Sample	Q J e ID: ttrix: Date/Tii	mg/Kg 220112 Soil me: 1/21/	01/24/22 7-009A		ERR	Batch
The results shown below a Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG: Prep Method: 3050B	Method are reported usin SW6010B E1601-6-22 Santa Clara W8Y15300	g thei 1 20113 a Count	n MDL. 0.12	3.0	Results 2.11 Lab Sample Sample Ma	Q J e ID: ttrix: Date/Tii	mg/Kg 220112 Soil me: 1/21/	01/24/22 /7-009A	17:08 17:08	ERR	Batch



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			7/22, 3 rted: 01	•
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1601-18-2 Santa Clara W8Y15300 01/17/22 / 1	a Count		estigation	Lab Sampl Sample Ma		220112 Soil	7-010A			
Prep Method: 3050B Prep Batch ID: 1138570					Prep Batch Prep Analys			22 é Fano	6:30:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
The results shown below a Lead	sw6010B	g thei 1	r MDL. 0.12	3.0	2.13	J	mg/Kg	01/24/22	17:11	ERR	462986
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1606-6-22 Santa Clara W8Y15300 01/17/22 / 1	a Count	ty ADL Inve	estigation	Lab Sampl Sample Ma		220112 Soil	7-011A			
Prep Method: 3050B Prep Batch ID: 1138570					Prep Batch Prep Analy			22 6 Fano	6:30:00F	PM	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead Client Sample ID: Project Name/Location: Project Number:	SW6010B E1606-18-2 Santa Clara W8Y15300		0.12	3.0	3.20 Lab Sampl Sample Ma		mg/Kg 220112 Soil	01/24/22 7-012A	17:14	ERR	462986
Date/Time Sampled: SDG:	01/17/22 / 1	0:05									
	01/17/22 / 1	0:05			Prep Batch Prep Analy			22 6 FANO	5:30:00F	PM	
SDG: Prep Method: 3050B	01/17/22 / 1 Analysis Method	0:05	MDL	PQL	-					⊃M By	Analytical Batch



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Tim	e Receive Date		17/22, 3 rted: 01	
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1604-6-22 Santa Clara W8Y15300 01/17/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220112 Soil	27-013A			
Prep Method: 3050B Prep Batch ID: 1138570					Prep Batch Prep Analys			22 (FANO	6:30:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Lead	SW6010B	1	0.12	3.0	5.75		mg/Kg	01/24/22	17:17	ERR	462986
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1604-18-2 Santa Clara W8Y15300 01/17/22 / 1	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220112 Soil	27-014A			
Prep Method: 3050B Prep Batch ID: 1138570					Prep Batch Prep Analys			22 (FANO	6:30:00F	PM	
•	Analysis Method	DF	MDL	PQL	•					PM By	Analytical Batch
Prep Batch ID: 1138570 Parameters: The results shown below al	Method			PQL 3.0	Prep Analys	st:	PHU	FANO	Time		
Prep Batch ID: 1138570	Method re reported using	g thei 1 20113 a Count	r MDL. 0.12	3.0	Prep Analys Results	e ID:	PHU Units mg/Kg	FANO Analyzed	Time	Ву	Batch
Prep Batch ID: 1138570 Parameters: The results shown below and Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled:	Method re reported using SW6010B E1605-6-22 Santa Clara W8Y15300	g thei 1 20113 a Count	r MDL. 0.12	3.0	Prep Analys Results 1.94 Lab Sampl	g J e ID: trix: Date/Tiu	PHU Units mg/Kg 220112 Soil ne: 1/21/	FANO Analyzed 01/24/22 27-015A	Time	By ERR	Batch
Prep Batch ID: 1138570 Parameters: The results shown below at Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG: Prep Method: 3050B	Method re reported using SW6010B E1605-6-22 Santa Clara W8Y15300	g thei 1 20113 a Count	r MDL. 0.12	3.0	Prep Analys Results 1.94 Lab Sample Ma Sample Ma	g J e ID: trix: Date/Tiu	PHU Units mg/Kg 220112 Soil ne: 1/21/	FANO Analyzed 01/24/22 27-015A 22 0	Time 17:22 6:30:00F	By ERR	Batch



Report prepared for:	Tara Zuroweste Jacobs Associa	tes					Date/Time			7/22, 3: rted: 01	-
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1605-18-2 Santa Clara W8Y15300 01/17/22 / 1	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220112 Soil	7-016A			
Prep Method: 3050B Prep Batch ID: 1138570					Prep Batch Prep Analys			22 (FANO	6:30:00F	РМ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
The results shown below Lead	are reported usin SW6010B	g thei 1	r MDL. 0.12	3.0	2.77	J	mg/Kg	01/24/22	17:26	ERR	462986
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1602-6-22 Santa Clara W8Y15300 01/17/22 / 1	a Count	y ADL Inve	estigation	Lab Sample Sample Ma		220112 Soil	7-017A			
Prep Method: 3050B Prep Batch ID: 1138570					Prep Batch			22 (FANO	6:30:00F	PM	
					Prep Analys	st:	PHU	ANO			
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
Parameters:		DF	MDL 0.12	PQL 3.0						By ERR	-
Parameters:	Method	1 20113 a Count	0.12	3.0	Results	Q e ID:	Units mg/Kg	Analyzed			Batch
Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled:	Method SW6010B E1602-18-2 Santa Clara W8Y15300	1 20113 a Count	0.12	3.0	Results 5.20 Lab Sample	Q e ID: trix: Date/Tin	Units mg/Kg 220112 Soil me: 1/21/2	Analyzed 01/24/22 7-018A		ERR	Batch
Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG: Prep Method: 3050B	Method SW6010B E1602-18-2 Santa Clara W8Y15300	1 20113 a Count	0.12	3.0	Results 5.20 Lab Sample Sample Ma	Q e ID: trix: Date/Tin	Units mg/Kg 220112 Soil me: 1/21/2	Analyzed 01/24/22 7-018A	17:27 3:30:00F	ERR	Batch



MB Summary Report

Work Order:	2201127	Prep l	Prep Method:		Prep	Date:	01/21/22	Prep Batch:	1138570
Matrix:	Soil	Analy		SW6010B	Analyzed Date:		1/24/2022	Analytical	462986
Units:	mg/Kg	Metho	od:					Batch:	
				Mathad	Lab				
Parameters		MDL	PQL	Method Blank Conc.	Lab Qualifier				
				Conc.					
Lead		0.10	3.00	ND					

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LCS/LCSD Summary Report

				LOOM		unnary	Report	Raw values are used in quality control assessment				
Work Order:	2201127		Prep Meth	od: 3050	В	Prep Da	te:	01/21/22	Prep Bat	t ch: 1138	3570	
Matrix:	Soil		Analytical	SW6	010B	Analyzed Date: 1/24/2022		Analytical 46 Batch:		2986		
Units:	ts: mg/Kg		Method:					Batch.				
Parameters		MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier	
Lead		0.10	3.00	ND	50	91.0	89.4	1.77	80 - 120	30		

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MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201127	F	Prep Method:		3050B		Prep Date: 01/21		Prep Batch:	: 113857	0
Matrix:	Soil		Analytical	SW601	SW6010B		ate: 1/24	/2022	Analytical	462986	;
Spiked Sample:	2201127-001A	Ň	Method:					Batch:			
Units:	mg/Kg										
Parameters		MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead		0.10	5.00	6.55	50	78.8	90.9	12.2	67.9 - 118	30	•



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.

Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.

Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)

Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.

Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)

Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.

Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero

Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.

Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates

Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis

Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.

Units: the unit of measure used to express the reported result - **mg/L** and **mg/Kg** (equivalent to PPM - parts per million in **liquid** and **solid**), **ug/L** and **ug/Kg** (equivalent to PPB - parts per billion in **liquid** and **solid**), **ug/m3**, **mg/m3**, **ppbv** and **ppmv** (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS

B - Indicates when the analyte is found in the associated method or preparation blank

D - Surrogate is not recoverable due to the necessary dilution of the sample

E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E gualifier should be considered as estimated.

H- Indicates that the recommended holding time for the analyte or compound has been exceeded

J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative

NA - Not Analyzed

N/A - Not Applicable

ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.

NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added

R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts

S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative

X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.



Sample Receipt Checklist

Client Name: Jacobs Associates								
Project Name: Santa Clara County ADL Investigation								
Work Order No.: 2201127								

Date and Time Received: <u>1/17/2022</u> <u>3:45:00PM</u> Received By: Helena Ueng Physically Logged By: Helena Ueng Checklist Completed By: Helena Ueng Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	<u>Yes</u>
Samples in proper container/bottle?	<u>Yes</u>
Samples containers intact?	<u>Yes</u>
Sufficient sample volume for indicated test?	<u>Yes</u>

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	<u>Yes</u>			
Container/Temp Blank temperature in compliance?	<u>Yes</u>	Temperature:	5.0	°C
Water-VOA vials have zero headspace?	<u>No VOA vials sub</u>	mitted		
Water-pH acceptable upon receipt?	<u>N/A</u>			
pH Checked by: N/A	pH Adjusted by: 1	N/A		

Comments:



Login Summary Report

Client ID:	TL5282	Jacobs Associates	QC Level:	II
Project Name:	Santa Clara Co	unty ADL Investigation	TAT Requested:	5+ day:5
Project # :	W8Y15300		Date Received:	1/17/2022
Report Due Date:	1/24/2022		Time Received:	3:45 pm

- Comments:
- Work Order # : 2201127

<u>WO Sample ID</u>	<u>Client</u> Sample ID	<u>Collection</u> <u>Date/Time</u>	<u>Matrix</u>	<u>Scheduled</u> <u>Disposal</u>	<u>Test</u> <u>On Hold</u>	<u>Requested</u> <u>Tests</u>	<u>Subbed</u>
2201127-001A	E1608-6-220113	01/17/22 9:30	Soil	07/16/22		Mat C As Dh	
Sample Note:	6010-Lead **Use sample	e 2201127-001A for M	S/MSD**			Met_S_As Pb	
2201127-002A	E1608-18-220113	01/17/22 9:35	Soil	07/16/22			
2201127-003A	E1603-6-220113	01/17/22 11:25	Soil	07/16/22		Met_S_As Pb	
2201127-004A	E1603-18-220113	01/17/22 11:30	Soil	07/16/22		Met_S_As Pb	
2201127-005A	E1609-6-220113	01/17/22 13:55	Soil	07/16/22		Met_S_As Pb	
						Met_S_As Pb	
2201127-006A	E1609-18-220113	01/17/22 14:00	Soil	07/16/22		Met_S_As Pb	
2201127-007A	E1610-6-220113	01/17/22 9:20	Soil	07/16/22		Met_S_As Pb	
2201127-008A	E1610-18-220113	01/17/22 9:25	Soil	07/16/22		 Met_S_As Pb	
2201127-009A	E1601-6-220113	01/17/22 11:55	Soil	07/16/22			
2201127-010A	E1601-18-220113	01/17/22 12:00	Soil	07/16/22		Met_S_As Pb	
2201127-011A	E1606-6-220113	01/17/22 10:00	Soil	07/16/22		Met_S_As Pb	
2201127-012A	E1606-18-220113	01/17/22 10:05	Soil	07/16/22		Met_S_As Pb	
2201127-013A	E1604-6-220113	01/17/22 10:35	Soil	07/16/22		Met_S_As Pb	
						Met_S_As Pb	
2201127-014A	E1604-18-220113	01/17/22 10:40	Soil	07/16/22		Met_S_As Pb	
2201127-015A	E1605-6-220113	01/17/22 13:15	Soil	07/16/22		Met_S_As Pb	
2201127-016A	E1605-18-220113	01/17/22 13:20	Soil	07/16/22			
2201127-017A	E1602-6-220113	01/17/22 11:00	Soil	07/16/22		Met_S_As Pb	
2201127-018A	E1602-18-220113	01/17/22 11:05	Soil	07/16/22		Met_S_As Pb	
						Met_S_As Pb	

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LABORATORY, INC.	483 Sinclair Frontage Road Milpitas, CA 95035 Phone: 408.263.5258 FAX: 408.263.8293 www.torrentlab.com	• NOTE: SHADED	AIN OF CUSTODY AREAS ARE FOR TORRENT LAB USE ONLY	LAB WORK ORDER NO
Company Name: Jacobs Engin	eeri~r	Env. Spe	Project #: W8/15300 PO #:	
Address: 155 Grand Ave	#805		Project Name: Santa Clara ADL I	watigention .
City: Oakland	State: CA Zip	Code: 94612	Comments: Se Wremarky - Scotlen SAMPLER: T. May ill + J. Toulme Quote #:	
Telephone: (510) 457-0027	Cell:	SAMPLER: T. Magill + J. Toulme Quote #:	and a strategy of	
REPORT TO: Tara Zuroweste	BILL TO: Jacobs		EMAIL: Tara. Furwerte Jacobs. co	η
TURNAROUND TIME: 10 Work Days 4 Work Days 1 Work D 7 Work Days 3 Work Days Noon - N 5 Work Days 2 Work Days 2 - 8 Hou	xt Day Ground Water Other	REPORT FORMAT: Level II - Std. Excel - EDD EDF StdEDD QC Level III QC Level IV	2	ANALYSIS REQUESTED
LAB ID CANISTER I.D. CLIENT'S SAMPLE I.	D. DATE / TIME MATRIX	# OF CONT CONT TYPE		REMARKS
FOOTA E1608-6-22011	7 01-17-22/0930 5011	1 51 .	. Note: Run for MS insp	Hold For TCLP after analysis
-002A E1608-18-22011	7 01-1792/0935 50:1	1 51 -		
003A E1603-6-22011		1 31 .		
-004A E1603-18-2201		1 31 -		
-005A E1609-6-22011	7 61-17-22/1355 56:7	1 51 -		
006A E1609-18-22011	/	1 31 -		
-007A E1610 -6-22010	701-17-22/0920 50.1	1 5' -		
TOSA E1610-18-22011	6	1 51 -		
009A F1601-6-22011	701-17-22/1155 1.1	1 51 -		
	17 01-17-22/1200 50.7	1 Sl -		
1 Relinquished By: Print:	Umr. 01-17-22	Time: Red	eived by: APrint: alling Date: 17/	22 Time: 545
2 Relinquished By: Print:	Date:		eived By: Print: Date:	Time:
Were Samples Received in Good Condition? NOTE: Samples are discarded by the laboratory Log In By: Date:	y 30 days from date of receipt unles		ade. THV	tact? Yes NO KNA



TO	rrent	483 Sinclair Frontag Milpitas, CA 95035 Phone: 408.263.52 FAX: 408.263.8293 www.torrentlab.com	58	• N0	C DTE: SHA					IST RRENT			LY•	LAB WO	rk order no 27
Company Name:	lacobs, Engil	menny	C		Env.	Special	Projec	t #: 🚺	1841	5300	>		PO #		
Address: 155	Grand Are #	800					Projec	t Name:	Sav	ita C	lara	AD	L/m	restigati	ฑ
City: Oakla	nd	State: CA	Zip	Code: 9	4612		Comm	ents:	fee	"rema	rksi	'sect	her	· ·	
)457-0022				1		SAMPLER: T. Magill & J. Toulme Quote #:								
REPORT TO: Tara Zuro weste BILL TO: Jacobs							EMAIL	Tar	a	Zuno	veste	eja	inte	ocom	
7 Work Days	: 4 Work Days 🔲 1 Work Day 3 Work Days 📄 Noon - Nxt 2 Work Days 📄 2 - 8 Hours	Weste Water	Air Wipe	Level	- EDD StdEDD evel III	otal Pb									NALYSIS QUESTED
LAB ID CANISTER I.D.	CLIENT'S SAMPLE I.D	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	L								RI	MARKS
OUA	E1606-6-22017	1/17/22/1000	soil	1	gl	/								Hold	forTCLP analysis
OLZA	E1606-18-220117	-1/17/22/2005	soil	1	91	/								after	analysis
0134	E1604-6-220117	417/22/2035	soil	2	91	/									
DIYA	E1 60 4-18-22011	1/17/22/1040	soil	1	91	/									
TISA	EI 605-6-220117	1/17/22/13/5	801	1	91	/									
216A	E2605-18-22011	2/17/22/1320	501/	1	91	/							ľ		
OITA	E1602-6-22011	7/17/22/1200	soil	1	91	/							2		
-0181	E1602-18-2211	1/17/22/205	soil	1	91	1									V
							,								
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	ed in Good Condition?					are mad	d of Ship e.	ment	5)/J	5	_ Sam ∉		intact? Yes	



Jacobs Associates 465 California St, Suite 1000 San Francisco, California 94104 Tel: 408 398 7889

RE: Santa Clara County ADL Investigation

Work Order No.: 2201135 Rev: 1

Dear Tara Zuroweste:

Torrent Laboratory, Inc. received 8 sample(s) on January 18, 2022 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Eva

Kathie Evans Project Manager

January 25, 2022 Date



Date: 1/25/2022

Client: Jacobs Associates Project: Santa Clara County ADL Investigation Work Order: 2201135

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

REVISIONS

Report revised to report data to the MDL for the samples that were ND at the PQL.

Rev. 1 (2/8/22)



Sample Result Summary

Report prepared for:	Tara Zuroweste				Date	Received: ()1/18/22
	Jacobs Associates				Date	Reported: ()1/25/22
E1620-6-220118						22	01135-001
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	2.98	mg/Kg
E1620-18-220118						22	01135-002
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.27	mg/Kg
E1611-6-220118						22	01135-003
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	8.60	mg/Kg
E1611-18-220118						22	01135-004
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.45	mg/Kg
E1607-6-220118						22	01135-005
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	1.91	mg/Kg
E1607-18-220118						22	01135-006
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	2.50	mg/Kg
E1617-6-220118						22	01135-007
Parameters:		<u>Analysis</u> <u>Method</u>	<u>DF</u>	MDL	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.35	mg/Kg
E1617-18-220118						22	01135-008
Parameters:		<u>Analysis</u> <u>Method</u>	DF	MDL	PQL	<u>Results</u>	<u>Unit</u>
Lead		SW6010B	1	0.12	3.0	3.56	mg/Kg



Report prepared for:	Tara Zuroweste Jacobs Associa	tes			Date/Time Received: 01/18/22, 12:22 pm Date Reported: 01/25/22						
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1620-6-22 Santa Clara W8Y15300 01/18/22 / 9	y ADL Inve	estigation	Lab Sample ID: Sample Matrix:		220113 Soil	5-001A				
Prep Method: 3050B Prep Batch ID: 1138571					Prep Batch Prep Analys			22 (FANO	6:30:00F	РΜ	
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch
The results shown below a Lead	sw6010B	g thei i 1	r MDL. 0.12	3.0	2.98	J	mg/Kg	01/24/22	17:42	ERR	462987
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1620-18-2 Santa Clara W8Y15300 01/18/22 / 9	Count	y ADL Inve	estigation	Lab Sampl Sample Ma		220113 Soil	5-002A			
Prep Method: 3050B Prep Batch ID: 1138571					Prep Batch Prep Analys			22 (FANO	6:30:00F	PM	
Prep Method: 3050B	Analysis Method	DF	MDL	PQL	•					PM By	Analytical Batch
Prep Method: 3050B Prep Batch ID: 1138571		DF	MDL 0.12	PQL 3.0	Prep Analys	st:	PHU	ANO	Time		
Prep Method: 3050B Prep Batch ID: 1138571 Parameters:	Method	1 0118 Count	0.12	3.0	Prep Analys Results	e ID:	PHUI Units mg/Kg	FANO Analyzed	Time	Ву	Batch
Prep Method: 3050B Prep Batch ID: 1138571 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled:	Method SW6010B E1611-6-22 Santa Clara W8Y15300	1 0118 Count	0.12	3.0	Prep Analys Results 3.27 Lab Sampl	st: Q le ID: atrix: Date/Ti	PHUI Units mg/Kg 220113 Soil me: 1/21/	Analyzed 01/24/22 5-003A	Time	By ERR	Batch
Prep Method: 3050B Prep Batch ID: 1138571 Parameters: Lead Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG: 3050B	Method SW6010B E1611-6-22 Santa Clara W8Y15300	1 0118 Count	0.12	3.0	Prep Analys Results 3.27 Lab Sampl Sample Ma	st: Q le ID: atrix: Date/Ti	PHUI Units mg/Kg 220113 Soil me: 1/21/	Analyzed 01/24/22 5-003A	Time 17:47 6:30:00P	By ERR	Batch



Report prepared for:	Tara Zuroweste Jacobs Associa	tes			Date/Time Received: 01/18/22, 12:22 pm Date Reported: 01/25/22									
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	Santa Clara W8Y15300	E1611-18-220118 Santa Clara County ADL Investigation W8Y15300 01/18/22 / 10:25					220113 Soil	35-004A						
Prep Method: 3050B Prep Batch ID: 1138571					Prep Batch Prep Analys		ne: 1/21/22 6:30:00PM PHUFANO							
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch			
Lead	SW6010B	1	0.12	3.0	3.45		mg/Kg	01/24/22	17:51	ERR	462987			
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1607-6-22 Santa Clara W8Y15300 01/18/22 / 1	Count	y ADL Inve	estigation	Lab Sample ID:2201135-005ASample Matrix:Soil									
Prep Method: 3050B Prep Batch ID: 1138571							Prep Batch Date/Time:1/21/226:30:00PMPrep Analyst:PHUFANO							
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch			
The results shown below a Lead	are reported usin SW6010B	g thei 1	r MDL. 0.12	3.0	1.91	J	mg/Kg	01/24/22	17:52	ERR	462987			
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	Santa Clara W8Y15300	E1607-18-220118 Santa Clara County ADL Investigation W8Y15300 01/18/22 / 10:50					Lab Sample ID: 2201135-006A Sample Matrix: Soil							
Prep Method: 3050B Prep Batch ID: 1138571		Prep Batch Date/Time:1/21/226:30:00PMPrep Analyst:PHUFANO												
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch			
The results shown below a Lead	are reported usin SW6010B	g thei 1	r MDL. 0.12	3.0	2.50	J	mg/Kg	01/24/22	17:54	ERR	462987			



Report prepared for:	Tara Zuroweste Jacobs Associ					Date/Time Received: 01/18/22, 12:22 pm Date Reported: 01/25/22								
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1617-6-2 Santa Clar W8Y15300 01/18/22 /	y ADL Inve	estigation	Lab Sample ID:2201135-007ASample Matrix:Soil										
Prep Method: 3050B Prep Batch Date/Time: 1/21/22 6:30:00PM Prep Batch ID: 1138571 Prep Analyst: PHUFANO										PM				
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch			
Lead	SW6010B	1	0.12	3.0	3.35		mg/Kg	01/24/22	17:56	ERR	462987			
Client Sample ID: Project Name/Location: Project Number: Date/Time Sampled: SDG:	E1617-18- Santa Clar W8Y15300 01/18/22 /	estigation	Lab Sample ID:2201135-008ASample Matrix:Soil											
Prep Method: 3050B Prep Batch ID: 1138571					Prep Batch Prep Analy			22 (FANO	6:30:00	PM				
Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	Ву	Analytical Batch			
Lead	SW6010B	1	0.12	3.0	3.56	<u> </u>	mg/Kg	01/24/22	17:57	ERR	462987			



MB Summary Report

Work Order:	2201135	Prep	Method:	3050B	Prep	Date:	01/21/22	Prep Batch:	1138571
Matrix:	Soil	Analy		SW6010B	Ana	lyzed Date:	1/24/2022	Analytical	462987
Units:	mg/Kg	Metho	Method:					Batch:	
Parameters		MDL	PQL	Method Blank Conc.	Lab Qualifier				
Arsenic		0.15	1.30	ND					
Lead		0.10	3.00	ND					



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201135		Prep Meth	od: 3050	В	Prep Dat	te:	01/21/22	Prep Ba	tch: 113	8571
Matrix:	Soil		Analytical	SW6	6010B	Analyze	d Date:	1/24/2022	Analytic	al 46	2987
Units:	mg/Kg		Method:						Batch:		
Parameters		MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic		0.15	1.30	ND	50	96.7	99.4	2.65	80 - 120	30	•
Lead		0.10	3.00	ND	50	99.7	102	2.18	80 - 120	30	



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2201135	F	Prep Metho	d: 3050B		Prep Date:	01/2	1/22	Prep Batch:	: 113857	1
Matrix:	Soil		Analytical	SW601	0B	Analyzed D	ate: 1/24	/2022	Analytical	462987	,
Spiked Sample:	2201135-001A		Method:						Batch:		
Units:	mg/Kg										
Parameters		MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead		0.10	5.00	ND	50	92.3	92.9	0.608	67.9 - 118	30	ł



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.

Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.

Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)

Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.

Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)

Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.

Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero

Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.

Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates

Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis

Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.

Units: the unit of measure used to express the reported result - **mg/L** and **mg/Kg** (equivalent to PPM - parts per million in **liquid** and **solid**), **ug/L** and **ug/Kg** (equivalent to PPB - parts per billion in **liquid** and **solid**), **ug/m3**, **mg/m3**, **ppbv** and **ppmv** (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS

B - Indicates when the analyte is found in the associated method or preparation blank

D - Surrogate is not recoverable due to the necessary dilution of the sample

E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.

H- Indicates that the recommended holding time for the analyte or compound has been exceeded

J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative

NA - Not Analyzed

N/A - Not Applicable

ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.

NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added

R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts

S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative

X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.



Sample Receipt Checklist

Client Name: Jacobs Associates	Date and Time Re
Project Name: Santa Clara County ADL Investigation	Received By: hh
Work Order No.: 2201135	Physically Logged
	Checklist Complet

eceived: <u>1/18/2022</u> <u>12:22:00PM</u> n d By: Lorna Imbat Checklist Completed By: Lorna Imbat Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	<u>Yes</u>			
Container/Temp Blank temperature in compliance?	No	Temperature:	12.0	°C
Water-VOA vials have zero headspace?	e? <u>No VOA vials submitted</u>			
Water-pH acceptable upon receipt?	<u>N/A</u>			
pH Checked by: n/a	pH Adjusted by: r	n/a		

Comments:



2201135

Work Order # :

Login Summary Report

Client ID:	TL5282	Jacobs Associates	QC Level:	II
Project Name:	Santa Clara Co	unty ADL Investigation	TAT Requested:	5+ day:5
Project # :	W8Y15300		Date Received:	1/18/2022
Report Due Date:	1/25/2022		Time Received:	12:22 pm
Comments:				

WO Sample ID <u>Client</u> **Collection** <u>Matrix</u> Scheduled Sample Test **Requested** Subbed Disposal On Hold On Hold Sample ID Date/Time <u>Tests</u> 2201135-001A E1620-6-220118 01/18/22 9:30 Soil 07/17/22 Met_S_As Pb 2201135-002A E1620-18-220118 01/18/22 9:35 Soil 07/17/22 Met_S_As Pb 2201135-003A E1611-6-220118 01/18/22 10:20 Soil 07/17/22 Met_S_As Pb 2201135-004A E1611-18-220118 01/18/22 10:25 Soil 07/17/22 Met_S_As Pb E1607-6-220118 07/17/22 2201135-005A 01/18/22 10:45 Soil Met S As Pb 2201135-006A 01/18/22 10:50 E1607-18-220118 Soil 07/17/22 Met_S_As Pb 2201135-007A E1617-6-220118 01/18/22 9:55 Soil 07/17/22 Met_S_As Pb E1617-18-220118 07/17/22 2201135-008A 01/18/22 10:00 Soil

Met_S_As Pb



Torrent	483 Sinclair Frontage Milpitas, CA 95035 Phone: 408.263.5258 FAX: 408.263.8293		• NOTE: SHA						ONLY	7.	AB WORK ORDER NO	<u>,</u>
LABORATORY, INC.	www.torrentlab.com		Env.		1010 7					20 #:		
Company Name: Jacobs Engin				opecial			811530			u	1 11 10	
Address: 155 Grand Ave #81							Janta	Clava	ownt	TADL	Innes high this	V
City: balland	State: CA	Zip Code	94612	- ' n .0	Comm	260.00					<i>v</i>	
Telephone: (510) 452-0027					SAMP	ER: T.N	ragill &	J. Toul	meno	te #:		
REPORT TO: Java Zuro meste	BILL TO: Jacob				EMAIL:	Tava	, Zuro	wes te la) Ja co	bsicon	η	
TURNAROUND TIME:	SAMPLE TYPE:		ORT FORMAT: Level II - Std.									
🔲 10 Work Days 🔲 4 Work Days 🔲 1 Work D		Air D	Excel - EDD								ANALYSIS	
7 Work Days 3 Work Days Noon - Na			EDF 🔲 StdEDD					н. 			REQUESTED	
5 Work Days 2 - 8 Hou			QC Level III QC Level IV	Port							4	
LAB ID CANISTER I.D. CLIENT'S SAMPLE I.	SAMPLED	WATRIX # CO		to							REMARKS	
-001A E1620-6-22011	8 01-18-22/0430	56:1	51	(t	told for TCLP	n's
-002A E1620-18-220172	1-18 23/0935	50.1 1	SI								1	
-003A EGU-6-220118		507 l	51	1								
-004A E1611-78-230118		soil 1	51	1								
-0057 E1607-6-220118		50.1 (51	~							E Person	
-006A E1607-18-2201		\$6.5	1 51	/	-							
007A E1617-6-2261		.J.c. (i sl	~								
00817 E1617-18-2011		56-7	1 51	/							V	
1 Relinquished By: Print: 7	tum Date: 1/18/201/18	122 Time	2:22	Receiv	ed By:	di	Print:		Date:	18/22	Time:	7
2 Relinquished By: Print:	Date:	Time	9:	Receiv	ed By:		Print:		Date:	() · · ·	Time:	
Were Samples Received in Good Condition?		ples on Ice?				nent	Dleff		Sample s	eals intact?		IA
NOTE: Samples are discarded by the laboratory Log In By: Date:	30 days from date of rece Labeled By:	eipt unless othe	r arrangements a Date:				Temp 📃	12. °C	+	7 Bage	of Rev.	,

Appendix D Data Quality Assessment Reports

- Reid-Hillview Airport
- San Martin Airport

Aerially Deposited Lead Investigation Reid-Hillview Airport Soil Sampling – January 2022 Data Quality Evaluation Report

Introduction

The objective of this data quality evaluation (DQE) report is to assess the data quality of analytical results for soil samples collected at Reid-Hillview Airport in Santa Clara as part of the Santa Clara Aerially Deposited Lead Investigation. Individual method requirements and laboratory quality control criteria were used in this assessment.

This report is intended as a general data quality assessment designed to summarize data issues.

Analytical Data

This DQE report covers 64 normal environmental samples and four matrix spike/matrix spike duplicate (MS/MSD) sets. A list of samples and collection dates is included in Attachment A at the end of this report. Samples were collected between January 10 and January 14, 2022. These sample results were reported as three sample delivery groups listed in Table 1. The analyses were performed by Torrent Laboratory in Milpitas, California. Refer to Appendix C for copies of laboratory reports and chain of custody (CoC) documentation.

Table 1 – Sample Delivery Groups							
2201047							
2201069							
2201115							

One method was used to analyze the environmental samples. Samples were collected and delivered by the field team to the laboratory for analysis. Samples were analyzed for the analyte/method shown in Table 2.

Table 2- Analytical Parameter	
Parameter	Method
Lead	SW6010B

The assessment of data includes a review of: (1) CoC documentation; (2) holding-time compliance; (3) the required laboratory quality control (QC) samples; (4) method blanks; (5) laboratory control sample/laboratory control sample duplicates (LCS/LCSDs); and (6) MS/MSDs.

Field samples were also reviewed to ascertain field compliance and data quality issues. This included a review of MS/MSDs.

Data flags are assigned using USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020) as guidance. Multiple flags are routinely applied to specific sample method/matrix/analyte combinations, but there will be only one final flag. A final flag is applied to the data and is the most conservative of the applied validation flags. The final flag also includes blank sample impacts. The flags include:

- J = Analyte was present but reported value may not be accurate or precise.
- R = Analyte was rejected.
- U = Analyte was analyzed for but not detected at the specified detection limit.
- UJ = Analyte was not detected above the detection limit objective. However, the reported detection limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Findings

The overall summaries of the data validation findings are contained in the following sections. No data required qualification due to this assessment.

Holding Times

All holding-time criteria were met.

Calibration

Initial and continuing calibration data were not supplied in the data packages and were not part of the routine validation performed. The laboratory reported calibration exceedances in the case narratives, but none that would affect the sample results.

Method Blanks

Method blanks were analyzed at the required frequency and were free of contamination.

Field Blanks

Field blanks were not collected; dedicated and disposable equipment was used for sample collection.

Field Duplicates

Field duplicates were not collected with this event.

Matrix Spike Samples

The results of MS/MSD analyses provide information about the possible influence of the matrix on either accuracy or precision of the measurements. All acceptance criteria were met.

Laboratory Control Sample

LCS/LCSDs were analyzed as required. All accuracy and precision criteria were met.

Chain of Custody

Each sample was documented in a completed CoC and received at the laboratory in good condition.

Overall Assessment

The goal of this assessment is to demonstrate that a sufficient number of representative samples were collected, and that the resulting analytical data can be used to support the decision-making process. The following summary highlights the data validation findings for the above defined events:

- 1. No data were rejected, and completeness was 100 percent.
- 2. No data were qualified due to low-level blank contamination.
- 3. No lead results exceeded the criteria to trigger STLC or TCLP analysis.
- 4. The precision and accuracy of the data, as measured by laboratory QC indicators, demonstrate that the project data quality objectives were met.

Attachment A - Samples Associated with DQE

T		
Field Sample ID	Sample Date	Sample Type
RHV01-18-220114	01/14/22	REG
RHV01-6-220114	01/14/22	REG
RHV02-18-220114	01/14/22	REG
RHV02-18-220114MS	01/24/22	MS
RHV02-18-220114MSD	01/24/22	MSD
RHV02-6-220114	01/14/22	REG
RHV03-18-220114	01/14/22	REG
RHV03-6-220114	01/14/22	REG
RHV04-18-220114	01/14/22	REG
RHV04-6-220114	01/14/22	REG
RHV05-18-220114	01/14/22	REG
RHV05-6-220114	01/14/22	REG
RHV06-18-220114	01/14/22	REG
RHV06-6-220114	01/14/22	REG
RHV06-6-220114MS	01/22/22	MS
RHV06-6-220114MSD	01/22/22	MSD
RHV07-18-220114	01/14/22	REG
RHV07-6-220114	01/14/22	REG
RHV08-18-220114	01/14/22	REG
RHV08-6-220114	01/14/22	REG
RHV10-18-220110	01/10/22	REG
RHV10-18-220110MS	01/12/22	MS
RHV10-18-220110MSD	01/12/22	MSD
RHV10-6-220110	01/10/22	REG
RHV11-18-220110	01/10/22	REG
RHV11-6-220110	01/10/22	REG
RHV12-18-220110	01/10/22	REG
RHV12-6-220110	01/10/22	REG
RHV13-18-220110	01/10/22	REG
RHV13-6-220110	01/10/22	REG
RHV14-18-220111	01/11/22	REG
RHV14-6-220111	01/11/22	REG
RHV15-18-220110	01/10/22	REG
RHV15-6-220110	01/10/22	REG
RHV16-18-220110	01/10/22	REG
RHV16-6-220110	01/10/22	REG
RHV17-18-220111	01/11/22	REG
RHV17-6-220111	01/11/22	REG
RHV18-18-220111	01/11/22	REG
RHV18-6-220111	01/11/22	REG
RHV19-18-220111	01/11/22	REG

Field Sample ID	Sample Date	Sample Type
RHV19-6-220111	01/11/22	REG
RHV19-6-220111MS	01/14/22	MS
RHV19-6-220111MSD	01/14/22	MSD
RHV20-18-220111	01/11/22	REG
RHV20-6-220111	01/11/22	REG
RHV21-18-220114	01/14/22	REG
RHV21-6-220114	01/14/22	REG
RHV22-18-220110	01/10/22	REG
RHV22-6-220110	01/10/22	REG
RHV23-18-220114	01/14/22	REG
RHV23-6-220114	01/14/22	REG
RHV24-18-220110	01/10/22	REG
RHV24-6-220110	01/10/22	REG
RHV25-18-220110	01/10/22	REG
RHV25-6-220110	01/10/22	REG
RHV26-18-220111	01/11/22	REG
RHV26-6-220111	01/11/22	REG
RHV27-18-220111	01/11/22	REG
RHV27-6-220111	01/11/22	REG
RHV28-18-220114	01/14/22	REG
RHV28-6-220114	01/14/22	REG
RHV29-18-220114	01/14/22	REG
RHV29-6-220114	01/14/22	REG
RHV30-18-220111	01/11/22	REG
RHV30-6-220111	01/11/22	REG
RHV31-18-220111	01/11/22	REG
RHV31-6-220111	01/11/22	REG
RHV32-18-220111	01/11/22	REG
RHV32-6-220111	01/11/22	REG
RHV9-18-220110	01/10/22	REG
RHV9-6-220110	01/10/22	REG

Notes: MS = matrix spike MSD = matrix spike duplicate REG = regular sample

Aerially Deposited Lead Investigation San Martin Airport Soil Sampling – January 2022 Data Quality Evaluation Report

Introduction

The objective of this data quality evaluation (DQE) report is to assess the data quality of analytical results for soil samples collected at San Martin Airport in Santa Clara as part of the Santa Clara Aerially Deposited Lead Investigation. Individual method requirements and laboratory quality control criteria were used in this assessment.

This report is intended as a general data quality assessment designed to summarize data issues.

Analytical Data

This DQE report covers 70 normal environmental samples and four matrix spike/matrix spike duplicate (MS/MSD) sets. A list of samples and collection dates is included in Attachment A at the end of this report. Samples were collected between January 12 and January 18, 2022. These sample results were reported as four sample delivery groups listed in Table 1. The analyses were performed by Torrent Laboratory in Milpitas, California. Refer to Appendix C for copies of laboratory reports and chain of custody (CoC) documentation.

Table 1 – Sample Delivery Groups	
2201085	
2201104	
2201127	
2201135	

One method was used to analyze the environmental samples. Samples were collected and delivered by the field team to thee laboratory for analysis. Samples were analyzed for the analyte/method shown in Table 2.

Table 2- Analytical Parameter		
Parameter	Method	
Lead	SW6010B	

The assessment of data includes a review of: (1) the CoC documentation; (2) holding-time compliance; (3) the required laboratory quality control (QC) samples; (4) method blanks; (5) laboratory control sample/laboratory control sample duplicates (LCS/LCSD); and (6) MS/MSDs.

Field samples were also reviewed to ascertain field compliance and data quality issues. This included a review of MS/MSDs.

Data flags are assigned using USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA, 2020) as guidance. Multiple flags are routinely applied to specific sample method/matrix/analyte combinations, but there will be only one final flag. A final flag is applied to the data and is the most conservative of the applied validation flags. The final flag also includes blank sample impacts. The data flags include:

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Findings

The overall summaries of the data validation findings are contained in the following sections. No data required qualification due to this assessment.

Holding Times

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Calibration

Initial and continuing calibration data were not supplied in the data packages and were not part of the routine validation performed. The laboratory reported calibration exceedances in the case narratives but none that would affect the sample results.

Method Blanks

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Field Blanks

Field blanks were not collected; dedicated and disposable equipment was used for sample collection.

Field Duplicates

Field duplicates were not collected with this event.

Matrix Spike Samples

The results of MS/MSD analyses provide information about the possible influence of the matrix on either accuracy or precision of the measurements. All acceptance criteria were met.

Laboratory Control Sample

LCS/LCSDs were analyzed as required. All accuracy and precision criteria were met.

Chain of Custody

Each sample was documented in a completed CoC and received at the laboratory in good condition.

Overall Assessment

The goal of this assessment is to demonstrate that a sufficient number of representative samples were collected, and the resulting analytical data can be used to support the decision-making process. The following summary highlights the data validation findings for the above defined events:

- 1. No data were rejected, and completeness was 100 percent.
- 2. No data were qualified due to low-level blank contamination.
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- 4. The precision and accuracy of the data, as measured by laboratory QC indicators, demonstrate that the project data quality objectives were met.

Attachment A - Samples Associated with DQE
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Field Sample ID	Sample Date	Sample Type
E1601-18-220113	01/17/22	REG
E1601-6-220113	01/17/22	REG
E1602-18-220113	01/17/22	REG
E1602-6-220113	01/17/22	REG
E1603-18-220113	01/17/22	REG
E1603-6-220113	01/17/22	REG
E1604-18-220113	01/17/22	REG
E1604-6-220113	01/17/22	REG
E1605-18-220113	01/17/22	REG
E1605-6-220113	01/17/22	REG
E1606-18-220113	01/17/22	REG
E1606-6-220113	01/17/22	REG
E1607-18-220118	01/18/22	REG
E1607-6-220118	01/18/22	REG
E1608-18-220113	01/17/22	REG
E1608-6-220113	01/17/22	REG
E1608-6-220113MS	01/22/22	MS
E1608-6-220113MSD	01/22/22	MSD
E1609-18-220113	01/17/22	REG
E1609-6-220113	01/17/22	REG
E1610-18-220113	01/17/22	REG
E1610-6-220113	01/17/22	REG
E1611-18-220118	01/18/22	REG
E1611-6-220118	01/18/22	REG
E16-12-18-220113	01/13/22	REG
E16-12-6-220113	01/13/22	REG
E16-13-18-220113	01/13/22	REG
E16-13-6-220113	01/13/22	REG
E16-14-18-220113	01/13/22	REG
E16-14-6-220113	01/13/22	REG
E16-15-18-220113	01/13/22	REG
E16-15-6-220113	01/13/22	REG
E16-16-18-220113	01/13/22	REG
E16-16-6-220113	01/13/22	REG
E1617-18-220118	01/18/22	REG
E1617-6-220118	01/18/22	REG
E16-18-18-220112	01/12/22	REG
E16-18-6-220112	01/12/22	REG
E1620-18-220118	01/18/22	REG
E1620-6-220118	01/18/22	REG
E1620-6-220118MS	01/24/22	MS

Field Sample ID	Sample Date	Sample Type
E1620-6-220118MSD	01/24/22	MSD
E16-21-18-220113	01/13/22	REG
E16-21-6-220113	01/13/22	REG
E16-22-18-220112	01/12/22	REG
E16-22-6-220112	01/12/22	REG
E16-23-18-220112	01/12/22	REG
E16-23-6-220112	01/12/22	REG
E16-24-18-220112	01/12/22	REG
E16-24-6-220112	01/12/22	REG
E16-25-18-220112	01/12/22	REG
E16-25-6-220112	01/12/22	REG
E16-26-18-220113	01/13/22	REG
E16-26-6-220113	01/13/22	REG
E16-27-18-220113	01/13/22	REG
E16-27-6-220113	01/13/22	REG
E16-28-18-220113	01/13/22	REG
E16-28-6-220113	01/13/22	REG
E16-29-18-220113	01/13/22	REG
E16-29-6-220113	01/13/22	REG
E16-29-6-220113MS	01/19/22	MS
E16-29-6-220113MSD	01/19/22	MSD
E16-30-18-220112	01/12/22	REG
E16-30-6-220112	01/12/22	REG
E16-31-18-220112	01/12/22	REG
E16-31-6-220112	01/12/22	REG
E16-32-18-220112	01/12/22	REG
E16-32-6-220112	01/12/22	REG
E16-33-18-220112	01/12/22	REG
E16-33-6-220112	01/12/22	REG
E16-34-18-220112	01/12/22	REG
E16-34-6-220112	01/12/22	REG
E16-35-18-220112	01/12/22	REG
E16-35-6-220112	01/12/22	REG
E16-36-18-220112	01/12/22	REG
E16-36-6-220112	01/12/22	REG
E16-36-6-220112MS	01/19/22	MS
E16-36-6-220112MSD	01/19/22	MSD

Notes:

MS = matrix spike MSD = matrix spike duplicate REG = regular sample